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Canada

# CANADIAN OIL AND GAS EQUIPMENT AND SERVICES FOR WORLD MARKETS

External Affairs and  
International Trade Canada

# Oil and Gas Equipment and Services for World Markets

43-265-914

This directory is designed to acquaint foreign buyers with Canadian manufacturers and suppliers of oil and gas equipment and services. It is not intended to be a definitive listing, although every effort has been made to include most Canadian exporters. The equipment and service information was provided in response to a questionnaire sent to all known exporters in the oil and gas industry in Canada.

Dept. of External Affairs  
Min. des Affaires extérieures

SEP 9 1993

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## How to Use this Directory

This directory has been designed to allow the reader to readily identify Canadian sources of equipment and services for the oil and gas industry. It contains three indexes to facilitate its use:

### 1. Company Index

An alphabetical list of all companies profiled in the directory.

### 2. Company Profiles

Descriptive company information—includes company name, address and contact person information, as well as equipment and service information and a corporate summary.

### 3. Products and Services Index

All product and service categories and companies that manufacture equipment and/or provide services within each product category.

## For Further Information

Please contact the companies directly for further information about their equipment and services. For more information about the complete range of Canadian oil and gas industry equipment and services, contact the nearest Canadian Embassy, High Commission, Consulate or Trade Office, or contact one of the following Canadian departments:

United States Trade and Tourism  
Development Division (UTO)  
External Affairs and International Trade  
Canada  
125 Sussex Drive  
Ottawa, Ontario  
Canada K1A 0G2

Telephone: (613) 993-7343  
Facsimile: (613) 990-9119

Surface Transportation and Machinery  
Branch  
Industry Science and Technology Canada  
235 Queen Street  
Ottawa, Ontario  
Canada K1A 0H5

Telephone: (613) 954-3192  
Facsimile: (613) 993-3430

## Other References

The Government of Canada publishes numerous directories which detail Canadian capabilities in related industry sectors. Examples include Communications, Remote Sensing, Marine, and the Environment.

## Introduction

Canada is a country rich in energy resources. Abundant deposits of oil, natural gas, coal and uranium, plus many rivers and vast forests all contribute to making Canada a major producer of energy. Heavy oil and sour gas both make up a major part of Canada's larger hydrocarbon reserves. However, many of these deposits are found in formation and locations where production is difficult. Canada's harsh environment adds still another dimension to the requirement for the development of special advanced technology by the Canadian companies that manufacture equipment or provide services to the oil and gas industry. From a production and equipment design standpoint, the country's extreme climatic and physical conditions will not allow the industry to settle for anything less than the best.

The Canadian oil and gas equipment industry produces a wide range of machinery and equipment for oil and gas exploration and development and also performs related service activities such as geophysical evaluation, seismic studies and contract drilling. Specific areas where Canada is acknowledged as a strong equipment supplier include exploration, drilling, leasehold facilities, dehydration, secondary recovery, sour-gas gathering and treatment, heavy oil technology, and pipelines and related compression and pumping equipment. Noteworthy export strengths include exploratory and deep drilling rigs, workover rigs, thermadrive boilers, beneficiation equipment, gas turbines, compressors, heat exchangers, pump jacks, and steam generators.

Bordered by three oceans, Canada has methodically plotted a progressive, scientific exploration and development of its rich continental shelves to the point where Canadian industries can now successfully handle offshore projects from start to finish.

Canada has also taken precautions to protect the natural surroundings and preserve the land and has developed conservation guidelines, environmental protection technology and equipment that are among the most advanced in the world. Canada is ready to share this knowledge with other countries because conservation is a mutual concern.

Another area of Canadian competence is in the service field where there is expertise in a broad range of specialties such as leak detection, corrosion prevention, geodesic surveys, photogrammetric surveys, communications precise gravity surveys, mapping, seismic studies and marine research.

Canadian manufacturers produce and export a broad range of machinery and equipment for the refining and petrochemical industries. Columns, fractionators and catalytic converters; pressure vessels and tanks; reactors; heat exchangers; distillation equipment; cryogenic vessels; compressors, pumps, valves and steam generating equipment are some examples of the types of equipment marketed internationally by Canada. In this field, Canada provides specialized services and equipment for the construction, testing and inspection of pipelines. In addition, Canadian consultants and construction companies have the capability to provide complete petroleum refineries, petrochemical and chemical projects, including feasibility studies, process equipment packaged systems, design, procurement, construction, commissioning and training.

With its practical experience in meeting the most challenging demands of the Canadian oil and gas production industry, Canada has the expertise to provide the wide range of equipment and services outlined in this directory.

## Alphabetical Listing of Companies

081639 Ontario Limited, Northway Industries Division  
264333 Alberta Ltd., Wabash Oilfield Service Division  
303007 Ontario Ltd., Forex Machine and Tool Co. Division  
3-L Filters Limited

A. Comeau & Associates Ltd.  
A.R.D. Industries Ltd.  
Acier A/N Steel Inc.  
Acres International Limited  
Adlog Inc.  
AGAT Laboratories  
AIM Safety Company Inc.  
Alberta Compressor Valve Co. Ltd.  
Alco Gas & Oil Production Equipment Ltd.  
Allen-Bradley Canada Limited  
Almecon Industries Limited  
Alpine Subsurface Electronics Inc.  
AMS Industries Ltd.  
Aqua-Guard Technologies Inc.  
Argo Sales Ltd.  
Associated Corrosion Consulting Ltd.  
Atlantic Engine Rebuilders Ltd., MFM Industries Division  
Atlantic Towing Ltd.

B&W Technologies Ltd.  
Bailey Canada Inc.  
Baker Hughes Canada Inc., Milpark Drilling Fluids Division  
Banister Inc., Footage Tools Division  
Barber Industries Ltd.  
Baroid Corporation of Canada, Ltd.  
BeauDril (1987) Limited  
Bedarco McGruer Inc.  
Bennett Environmental Consultants Ltd.  
Bercha International Inc.  
Beta Monitors & Controls Ltd.  
BMP Energy Systems Ltd.  
Bombardier Inc.  
Bovar Inc., Mainland Manufacturing Division  
Bovar Inc., Western Research Division  
BPB Instruments (Canada) Ltd.  
Bristol Babcock  
Brittania Compression Industries Ltd.  
Brooke Ocean Technology Ltd.  
Bzh Petroleum Consultants Ltd.

C.M.E.L. Enterprises Ltd.  
CAE Machinery Ltd.  
CAEC Arctic Engineering Inc.  
Camrose Electric Controls Ltd.  
Canadian Blower/Canada Pumps Limited  
Canadian Foremost Ltd.  
Canadian Fracmaster Ltd.  
Canadian International Fluid Services Inc.  
Canadian Marine Drilling Ltd.  
Canadian Rig Ltd.  
Canadian Swabmaster Products Ltd.  
Canadian Tool & Die Ltd.  
Canadoil Forge Ltée  
CanOcean Engineering Limited  
Canpolar Inc.  
Canspec Group Inc.  
Cantech Environmental Systems Inc.  
Canterra Equipment Inc.  
Canuck GIE Engineering Ltd.  
Capilano Geophysical Ltd.  
Caproco (1987) Limited  
Cardium Tool Services Inc.  
Catalytic Maintenance Inc.  
Centre for Frontier Engineering Research  
Century Valve and Machine Co. Ltd.  
Cessco Fabrication and Engineering Ltd.  
CH2M Hill Engineering Ltd.  
Challenger International Services Ltd.  
Challenger Surveys & Services Ltd.  
Chambers Engineering Ltd.  
Chase Manufacturing Inc.  
Chimo Equipment Ltd.  
Chimo Polyurethanes Ltd.  
Chinook Industrial Supplies Ltd.  
Cis Can Sales (Western) Ltd.  
Computalog Ltd.  
Condor Machinery (1985) Ltd.  
Control Engineering Inc.  
Corrosion Service Co. Ltd.  
Cougar Tool Inc.  
CPW Valve & Instrument Ltd.  
Cryogas Engineering Ltd.  
Cullen Canadian Inc.  
  
D&S Petroleum Consulting Group Ltd.  
D.B. Robinson Design & Manufacturing Ltd.  
Dacro Industries Ltd.

Datek Industries Limited  
Delta Projects Inc.  
Diamant Boart Stratabit Ltd.  
Digitech Information Services Ltd.  
Dilcon Constructors Ltd.  
DIPIX Technologies Inc.  
Double T Equipment Manufacturing Ltd.  
Dover Corporation (Canada) Ltd., Alberta Oil Tool Division  
Dreco Energy Services Ltd.  
Dresser Canada Inc., Dresser Pump Division  
Drill-Rite Industries (1985) Ltd.  
Drilltel Systems Limited  
  
ECS-Power Systems Inc.  
El-Mac Pacific Distributors Ltd.  
Emery Apparl Canada Inc.  
Ener-Rig Electrical Supply Ltd.  
Environmental Technologies Inc.  
EnviroSeal Engineering Products Ltd.  
Epton Industries Inc.  
  
F C Manufacturing Ltd.  
Farr Canada Ltd.  
Fintube Inc., Biraghi Canada Division  
Fleming Oilfield Services Ltd., Reef Mud Division  
Fluor Daniel Canada, Inc.  
Foothills Diamond Coring Ltd.  
Four M Oilfield Services Ltd.  
FRC Composites Limited  
FRE Pultrusions Inc.  
Frontier Engineering & Consulting Ltd.  
Galaxy Oilfield Service Ltd.  
Gentronics Petroleum Services Limited  
Geonautics Limited  
Geopetrol Marketing & Distributing Ltd., North-Tech Environmental Division  
Geophysics GPR International Inc.  
George E. Failing Supply Company  
Geotechnical Resources Ltd.  
Global Thermoelectric Inc.  
GN Corporations Inc.  
Gris Gun Manufacturing Ltd.  
  
Hall Compressors Canada Limited  
Hangwell Coil Tubing Services Ltd.  
Hardy BBT Limited

Henderson, Barwick Inc.  
Hi-Point Industries Ltd.  
Hobic Oil Bit Industries Corp.  
Hooper Welding Enterprises Limited  
Hutchinson Body, Mudguard and  
Radiator Works Ltd.  
Hycal Energy Research Laboratories  
Ltd.  
Hyprotech Ltd.

I.M.W. Industries Ltd.  
I.P. Constructors Ltd.  
ICI Construction Economists of  
America, Inc.  
Imperial Rubber Co. Ltd., Girard  
Polly-Pig Canada Division  
Import Tool Corporation, Ltd.  
Indutech Canada Limited  
Integra Castings Inc.  
INTERA Information Technologies  
Corporation  
Intercomp Resource Development &  
Engineering Ltd.  
International Cooling Tower Inc.  
International Hard Suits Inc.  
International Pipeline Engineering  
Limited  
International Radiography and  
Inspection Services (1976) Ltd.  
IPSCO Inc.  
Iron Horse Compression Ltd.  
Isko Heat Exchangers Ltd.  
Island Sandblasting (1987) Ltd.  
ITT Canon Canada Limited  
ITT Industries of Canada Ltd., ITT  
Barton Instruments

Jacques, Whitford Group Ltd.  
Jacques/McClelland Geosciences Inc.  
John T. Hepburn, Limited

Kilborn Inc.  
King Equipment Manufacturing Corp.  
Koch Engineering Company Limited  
Kubota Metal Corporation, Fahramet  
Division  
Kudu Industries Inc.

Labsoft Inc.  
Lambton College—Fire, Safety, and  
Environmental Division  
Lantec Industries Inc.  
Lift Systems International Ltd.  
Lister Industries Ltd.  
Luff Industries Ltd.

Lynx Tool Company Ltd.  
M & M Manufacturing Ltd. Partnership  
MacDonald Engineering Group Ltd.  
MacLaren Plansearch Limited  
Maloney Steel Ltd.  
Mandarin Oilfield Services Ltd.  
Marshall Macklin Monaghan Limited  
Marystown Shipyard Limited  
Master Flo Valve Inc.  
Matt's Manufacturing Ltd.  
McDaniel & Associates Consultants  
Ltd.  
McElhanney Geosurveys Ltd.  
Mega Engineering Ltd.  
Metro International Trading Company  
MIL Group Inc.  
Milton Roy Industries Ltd.  
Mitrade Export Inc.  
Monenco Limited  
Morris International Trading Ltd.

Nabors Drilling Limited  
Nardei Fabricators Ltd.  
National-Oilwell Canada Ltd.  
Newco Safety Tel Inc.  
Nortech Surveys (Canada) Inc.  
North Atlantic Machinery (Alta) Ltd.  
Norward Energy Services Ltd.  
Norwest Engineering Ltd.  
Novacorp International Consulting Inc.  
Nowesco Well Service Ltd.  
NRL Ltd.  
Nutron Manufacturing Ltd.

O'Connor Tanks Limited  
Opsco Industries Ltd.

Pacific Truck & Trailer Ltd.  
Pandit International  
Partec Lavalin Inc.  
Pason Well Services Ltd.  
Penetrators Canada Inc.  
Petrocraft Products Ltd.  
Phillips Cables Limited  
Pillar Oilfield Projects Ltd.  
Plains Perforating Ltd.  
Plainsman Manufacturing Ltd.  
Positive Action Tool Western Limited  
Predictive Maintenance Corporation  
Premetalco Inc., Exchanger Industries  
Division  
Proficient Oil Tools Ltd.

Propak Systems Ltd.  
Prudential Steel Ltd.  
Pullmaster Winch Corporation

Pulsesearch Consolidated Technology Ltd.  
Pulsonic Geophysical Ltd.

Qualitas International Inc.  
Quality Fabricating & Supply Limited  
Quantel Engineering (1981) Ltd.  
Quebec Tools Corporation  
Quinn Testers Ltd.

Raffin Electric Co. Ltd.  
Ramsay Machine Works Ltd.  
Rayonics Scientific Inc.  
Rebound Rig International Ltd.  
Reflange (Canada) Inc.  
Rice Engineering & Operating Ltd.  
Riley's Datashare International Ltd.  
RockBit Industries of Canada (1985)  
Ltd.  
RSI Research Ltd.  
Russell Technologies Inc.

S.I.R. Locator Service Sourcing &  
Purchasing Inc.  
S.N. Hanson Group Enterprises Ltd.  
Sander Geophysics Limited  
Sandwell Inc.  
Seatronics Technologies Ltd.  
SEI Industries Ltd.  
Select Energy Systems Inc.  
Servipetrol Ltd.  
Shaw Pipe Protection Ltd., CANUSA  
Division  
Sierra Drilling Ltd.  
Simmons Group Inc.  
SIMTECH Consulting Services Ltd.  
Smart Turner Limited  
Solid Resources Limited  
Spilsbury Communications Ltd.  
Sproule Associates Limited  
Sprung Instant Structures Ltd.  
Starozik Industries Ltd., Ruffneck  
Heaters Division  
Stelco Inc., Stelpipe Division  
Strata Drill Ltd.  
Stream-Flo Industries Ltd.  
Sunada Tech Inc.  
Sussex Manufacturing Ltd.

Taro Industries Ltd., Rostel Industries  
Division  
Tarton Engineering Corporation Ltd.  
Techno Scientific Inc.

Telematic Controls Inc.  
Terra Linda Canada, Inc.  
Terra Surveys Limited  
The Armstrong Monitoring Corporation  
Thermo Design Engineering Ltd.  
Timberland Equipment Limited  
Top-Co Industries Ltd.  
Topco Oilsite Sales Ltd.  
Travis Chemicals Inc.  
Trecan Combustion Limited  
Tri Ocean Engineering Ltd.  
Trimac Limited, Kenting Hi-Tower  
Drilling Division  
Tubetest Service & Supply Ltd.  
Tydac Technologies Inc.

United Corrosion Corporation  
United Resource Safety Limited  
Universal Industries Ltd.  
Universal Systems Ltd.  
Universe Machine Corporation

Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division  
Vancouver Shipyards Co. Ltd.  
Variperm (Canada) Limited  
Velan Inc.  
Veritas Seismic (1987) Ltd.  
Viking Pump Company of Canada Ltd.  
Volcano Energy Systems Inc.

Walker Steel Corporation  
Walters Oil Tool Machine Ltd.  
Weatherford Oil Tool Co. Ltd.  
Wega-D Geophysical Ltd.  
Weir-Jones Engineering Consultants  
Ltd.  
Weldco Limited, Weldco-Beales  
Division  
Wellmaster Pipe and Supply Inc.  
Wells-Hall Fabrication and Construction  
Ltd.  
Western Instruments, Inc.  
Westinghouse Canada Inc., Power  
Generation Division  
Wheatley Canada Ltd.  
Wire Rope Industries Ltd.

Zeton Inc.  
Zimmark Inc.



# Company Profiles

**081639 Ontario Limited,  
Northway Industries  
Division**

*50 Mumford Road  
Sudbury, Ontario  
Canada P3E 4T7*

*Telephone: (705) 692-3626  
Facsimile: (705) 692-9851  
Contact: David Alexander,  
President*

Northway Industries was established in 1975 to fabricate and erect customized heavy process equipment for the resource industries. The company specializes in structural steel and plate to manufacture tankage, bins, chutes, launchers and heavy gauge ducting in mild steel, stainless steel and aluminum, as well as a range of air booster compressors. All other products are custom manufactured to customer specifications. The company exports to the U.S., India, Africa and South America.

**264333 Alberta Ltd.,  
Wabash Oilfield Service  
Division**

*9312 - 110 A Street  
Westlock, Alberta  
Canada T0G 2L0*

*Telephone: (403) 349-4282  
Facsimile: (403) 349-4716  
Contact: Ron Riopel, President*

Wabash Oilfield Services was established in 1981. The company currently manufactures a full line of steel truck tanks, tankers and pup trailers which feature a highly efficient baffling system. These products are used extensively in the Alberta oil fields and are available for sale or lease. Among its many products is a sophisticated gas boot for use on oil field production tanks.

**3-L Filters Limited**

*P.O. Box 371, 427 Elgin Street  
North  
Cambridge, Ontario  
Canada N1R 5V5*

*Telephone: (519) 621-9949  
Facsimile: (519) 621-3371  
Contact: Gabriella Magliocco, Inside  
Sales*

3-L Filters Limited designs, engineers, manufactures and services filtration systems for refineries, pipelines and numerous industrial applications. From its original position as a petroleum industry supplier, the company has extended its expertise into filtration for coolants, solvents, lubricants, gases and water. Their engineers are also engaged in product development; prototypes are built and thoroughly tested in their laboratory prior to production and final design. The company exports to the U.S., Asia and Mexico.

**303007 Ontario Ltd.,  
Forex Machine and Tool  
Co. Division**

*3267 Lenworth Drive  
Mississauga, Ontario  
Canada L4X 2G6*

*Telephone: (416) 625-6443  
Facsimile: (416) 625-6443  
Contact: Hugo Ven, President*

Forex Machine and Tool Co. serves the Canadian, U.S. and Eastern European oil, gas and refining industries with precision machined, stainless steel products. The company specializes in standard and customized fittings and flanges. Its standard products are ANSI/ASTM/API low and high temperature, corrosion resistant, stainless and nickel alloy fittings and flanges. All products are NDE inspected and certified.

**A. Comeau & Associates  
Ltd.**

*4718 - 90A Avenue  
Edmonton, Alberta  
Canada T6B 2P9*

*Telephone: (403) 465-9961  
Facsimile: (403) 465-4990  
Telex: 037-2966  
Contact: Neil M. McNeil, Director of  
Marketing*

A. Comeau & Associates Ltd. (ACA) was incorporated in 1976 to provide electrical engineering, consulting and design services to the oil and gas industry. In 1979, production began on a line of electronic control products. Engineering services range from the design of small compressor facilities to the design of large gas plants. A comprehensive range of consulting services is offered, including power system analysis, and research and development for

electronic products and software. ACA's products include *Keltronics* submersible pump controllers, backspin relays, surge suppressors and SCADA software. The company is currently exporting to Asia, the U.S., Africa and the U.K.

**A.R.D. Industries Ltd.**

*180 Sheldon Drive  
Cambridge, Ontario  
Canada N1R 6V1*

*Telephone: (519) 622-1652  
Facsimile: (519) 622-1358  
Contact: Linda Marriott, Office  
Manager*

A.R.D. Industries Ltd. is Canada's only friction welding service supplier. It also supplies friction welded components. A.R.D. has 5 welders from 6 to 115 t, automatic cut-off saws and CNC turning equipment. The company is contracted to weld various types of equipment, tools and connectors for the oil and gas industry in Canada and the U.S.

**Acier A/N Steel Inc.**

*9405 La Martinière  
Rivière Des Prairies, Quebec  
Canada H1E 3K8*

*Telephone: (514) 323-8796  
Facsimile: (514) 494-2076  
Contact: M. Luc Dubois, President*

Acier A/N Steel Inc., established in 1979, manufactures a wide variety of storage tanks for the Canadian and U.S. markets. Their oil storage tanks are available for installation above and below ground. The underground tanks are manufactured complete with cathodic protection, including anodes attached to the tank.

## Acres International Limited

480 University Avenue  
Toronto, Ontario  
Canada M4P 1N2

Telephone: (416) 595-2000

Facsimile: (403) 595-2004

Telex: 06-217815

AnswerBack: acres tor

Contact: Jack Baker, Vice  
President, Corporate  
Marketing

Acres International Limited is a consulting engineering firm with over 65 years of experience. The company offers planning, engineering and management services, including risk analysis, engineering, and economic and environmental studies for petroleum and gas industries, pipeline and pump stations, underground oil storage, and Arctic and offshore engineering. In-house facilities include a basin for testing the interaction of ships, structures and ice, using synthetic ice. Natural gas market and economic studies are conducted in Canada and in developing countries. Engineering for power and heavy civil projects is undertaken in Canada, the U.S. and overseas.

## Adlog Inc.

155 Queen Street, Suite 900  
Ottawa, Ontario  
Canada K1P 6L1

Telephone: (613) 232-5676

Facsimile: (613) 563-9596

Telex: 053-4741

AnswerBack: superior

Contact: Karl McKinnon, President

Adlog Inc. specializes in administration and logistics pertinent to the oil and gas industry. It provides services in accounting, legal, human resources, management and production, project management, supply, training, transportation, and management information systems. It will conduct feasibility studies, operational auditing, managing and monitoring, recruiting and representation. Adlog's staff of 34 management specialists have experience in 65 countries.

## AGAT Laboratories

3801 - 21st Street N.E.  
Calgary, Alberta  
Canada T2E 6T5

Telephone: (403) 299-2000

Facsimile: (403) 299-2022

Telex: 03827957

Contact: Terry Shawchuk, Senior  
Vice President

AGAT Laboratories was established in 1982 and has grown to become one of the largest and most diverse analytical laboratories in Canada. From its 3 500 m<sup>2</sup> facilities, AGAT offers analytical services in the environmental, engineering and geological sectors. Some of its major services include routine core analysis; oil, water and gas analysis; air monitoring; and soil analysis. Radiochemical services are also provided. Training and educational courses are offered through its Canadian Research Centre. AGAT provides a full spectrum of laboratory equipment which includes porosimeters, permeameters, gamma loggers and gas chromatography instrumentation. It has been directly involved in the assembly and maintenance of several field testing laboratories in Canada. AGAT has provided its analytical services to companies located in Europe, South America and the U.S.

## AIM Safety Company Inc.

706 Derwent Way  
New Westminster, British Columbia  
Canada V3M 5P8

Telephone: (604) 524-6711

Facsimile: (604) 522-2855

Contact: Bill McDonald, Vice  
President

AIM Safety Company Inc. designs and builds intelligent, rugged, high performance gas and leak detection tools to the most demanding industrial and military standards. AIM Detectors are as easy to use as a pocket calculator. These detectors will: monitor a wide variety of gases; compensate for noise gas; capture, in on-board memory, the time, date and type of gas present for later recall and printing; continuously self-diagnose every key operating system and component; and provide ultra sensitive numerical readings of gas concentrations—for source location and arson investigation of unburned hydrocarbons.

## Alberta Compressor Valve Co. Ltd.

4124 - 97th Street  
Edmonton, Alberta  
Canada T6E 5Y6

Telephone: (403) 461-7288

Facsimile: (403) 461-6049

Contact: Boyd T. Wark, President

Alberta Compressor Valve Co. Ltd. manufactures gas and air compressor valves. The PYRAMID gas compressor valve is widely used in the Canadian gas industry; the aerodynamic design of the valve rings offers higher efficiency at reduced costs. The introduction of thermoplastic valve rings reduces the likelihood of damage to the cylinders. Established in 1983, the company also custom designs and manufactures compressor valves for the U.S., U.S.S.R. and Asian markets.

## Alco Gas & Oil Production Equipment Ltd.

310, 4014 MacLeod Trail S.E.  
Calgary, Alberta  
Canada T2G 2R7

Telephone: (403) 243-5055

Facsimile: (403) 287-1562

Telex: 038-24779

Contact: Ken Pelletier, Vice  
President, Sales

Alco Gas & Oil Production Equipment Ltd. was incorporated in 1972 to provide production equipment to the Canadian and international oil and gas industries. The company's products include separation equipment, heaters, gas and oil dehydration units, glycol regeneration units, amine plants (to remove acid gas), and gas processing plants (to remove LPG). Alco has been successful worldwide in providing sophisticated equipment for the treatment of oil, water and natural gas.

## Allen-Bradley Canada Limited

135 Dundas Street  
Cambridge, Ontario  
Canada N1R 5X1

Telephone: (519) 623-1810  
Facsimile: (519) 623-8930  
Telex: 069-59317  
Contact: W.C. Torrance, Vice  
President, Sales and  
Marketing

Allen-Bradley Canada Limited manufactures a complete line of industrial control products, programmable controllers, industrial computers, communications, data acquisition, motor control centres, medium voltage starters, and AC and DC drives. The company has developed a worldwide reputation for the design, development and manufacture of medium voltage controllers. These controllers are across the line, multispeed, reversing, autotransforming start, reactor start, soft start, and AC variable speed drives, ranging to 7 200 volts. The company and its 950 employees export to numerous countries worldwide from its 30 000 m<sup>2</sup> manufacturing facility.

## Almac Industries Ltd.

12235, rue April  
Montreal, Quebec  
Canada H1B 5L8

Telephone: (514) 645-2221  
Facsimile: (514) 645-5613  
Contact: Alec Rack, President

Almac Industries Ltd. is a manufacturer of trucks, tanks and trailer tankers for the transportation and distribution of petroleum products. All products are manufactured in Almac's new factory which is one of the most modern in the tank industry. It is equipped with modern metal working machinery and advanced welding technology. Almac markets its refueller truck tanks and its hydrant servicers worldwide to both commercial and military customers. Almac also produces truck tanks and trailer tanks for special applications, such as printing ink, crude oil, asphalt and bulk lubricants.

## Almecon Industries Limited

3213 - 97th Street  
Edmonton, Alberta  
Canada T6N 1B7

Telephone: (403) 461-1647  
Facsimile: (403) 463-3052  
Contact: James E. Jackson,  
Marketing Director

Almecon Industries Limited (AIL) was founded in 1982 as a mechanical consulting firm, specializing in oil field products. In 1984, the company introduced its own line of seismic supplies. The company's products include a range of topping and tamping plugs for seismic auger bore holes; foam and air plugs which are tamping and/or flowing hole (artesian well) control plugs for auger bore and exploration holes/wells; and drive points. The company's products are exported to the U.S. and Asia.

## Alpine Subsurface Electronics Inc.

320, 645 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 4G8

Telephone: (403) 266-2010  
Facsimile: (403) 264-7260  
Telex: 03821089

Alpine Subsurface Electronics Inc. (ASE) was formed in 1989 to complement the services of Alpine Testers (1987) Ltd. To better serve the customer with reliable pressure and temperature data obtained from drill stem and production tests (wireline), Alpine established a team of specialists to develop a reliable and affordable, pressure and temperature memory recorder. The ASE Recorder utilizes any IBM or compatible computer to completely download the memory. ASE's design allows for 32 levels of selectable floating intervals where 3 modes (delta time, delta pressure, timed interval delta pressure) can be implemented. The ease and simplistic nature of the recorder is evident through ASE's unique design—placing the interface within the actual recorder. No longer are large and cumbersome external interface boxes required; one cable is required to program, test battery voltage, download data and to check operational modes of the recorder.

## AMS Industries Ltd.

1575 Franklin Street  
Vancouver, British Columbia  
Canada V5L 1P3

Telephone: (604) 251-3591  
Facsimile: (604) 251-6422  
Contact: George Fry, Sales  
Manager

AMS Industries Ltd. was incorporated in 1962 and specializes in metal spinning. It can form mild steel, stainless steel and titanium to a thickness of  $\frac{3}{8}$  in. and to 8 ft. in diameter. The company makes bubble cups and contactor trays in both mild steel and stainless steel, as well as flanged and dished, semi-elliptical, and flanged and flued tank heads.

## Aqua-Guard Technologies Inc.

200 - 1130 West Pender Street  
Vancouver, British Columbia  
Canada V6E 4A4

Telephone: (604) 681-3773  
Facsimile: (604) 681-6825  
Telex: 04-51586  
Answer Back: enviroctr vcr  
Contact: Nigel Bennett, Director,  
Sales and Marketing

Aqua-Guard Technologies Inc. was established in 1979 and now serves clients worldwide. The company manufactures a complete range of spill recovery equipment, including rotary kiln incinerators for the disposal of oily and hazardous wastes, oil skimmers, oil spill containment booms, oil sorbents, flexible storage tanks, and emergency response skimming of cargo vessels. It also provides services in hazardous material and oil spill contingency planning, environmental audits, impact assessments, sensitivity mapping, on-site supervision of spill clean-up, disposal of oily and hazardous wastes, and hazardous material computer systems for the work place.

## Argo Sales Ltd.

580, 727 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 0Z5

Telephone: (403) 265-6633  
Facsimile: (403) 265-2770  
Contact: D.G. Robertson, Vice  
President

Argo Sales Ltd. is a manufacturer of oil field production equipment and a distributor of tubular goods and line pipe. Argo has two manufacturing and storage locations, and exports worldwide. Products manufactured include separators, treaters, line heaters, dehydrators, flare stacks, Texas Gates, headers and scrubbers.

## Associated Corrosion Consulting Ltd.

2220 - 39th Avenue N.E.  
Calgary, Alberta  
Canada T2E 6P7

Telephone: (403) 250-9041  
Facsimile: (403) 291-5681  
Contact: W.B. Holtsbaum, President

Associated Corrosion Consulting Ltd. was founded in 1963 to offer a completely independent consulting engineering, testing and monitoring service in the field of corrosion control and cathodic protection. Typical projects executed for the oil and gas industry include corrosion control of pipelines, plants and refineries. Services include investigation, design, inspection, specifications, reports, maintenance studies, monitoring and management services. The company's services are provided throughout Canada and to Asia.

## Atlantic Engine Rebuilders Ltd., MFM Industries Division

175 Beaverbrook Street  
Moncton, New Brunswick  
Canada E1C 8J2

Telephone: (506) 857-2700  
Facsimile: (506) 859-7112  
Telex: 014-2238  
Contact: John K. Lockwood,  
Manager, Tank  
Department

MFM Industries is a carbon and stainless steel fabricator—light structural and plate fabrication. The company and its 90 employees specialize in factory and field erected storage tanks, including pressure vessels.

## Atlantic Towing Ltd.

P.O. Box 5777, 300 Union Street  
Saint John, New Brunswick  
Canada E2L 4M3

Telephone: (506) 648-2750  
Facsimile: (506) 648-2752  
Telex: 014-47518  
Answer Back: atlantow  
Contact: Rio J. St. Armand, General  
Manager

Operating an extensive fleet of ocean, coastal and harbour tugs, Atlantic Towing Ltd. has served the marine transportation needs of Eastern Canada and the U.S. for 30 years. Equipped with sophisticated marine communication and navigational aids, client monitoring of technically complex operations can be immediate, even when thousands of miles from location. With its fleet of harbour tugs ranging to 3 500 BHP and its berthing, barge bunkering, passenger services, fire protection and pollution control services, the company fulfils the demand for marine services created by offshore resource development.

## B&W Technologies Ltd.

242, 3030 - 3rd Avenue N.E.  
Calgary, Alberta  
Canada T2A 6T7

Telephone: (403) 248-9226  
Facsimile: (403) 273-3708  
Contact: Neil R. Campbell, Director,  
Operations

B&W Technologies Ltd. manufactures environmental monitoring equipment and provides gas detection services. Utilizing micro-electronics in its electrochemical-based equipment, safety for personnel is improved and installation and operating costs are decreased. The equipment features a response time of less than eight seconds, safety and reliability; it is also unaffected by humidity. The solar powered, hand-held and hard-wired wireless monitoring equipment operates from -45° C to +60° C. Eight toxic gases can be monitored, including H<sub>2</sub>S, Cl, SO<sub>2</sub>, CO and combustible

gases. This equipment is easily adaptable to various applications and can be customized to suit site conditions.

## Bailey Canada Inc.

860 Harrington Court  
Burlington, Ontario  
Canada L7N 3N4

Telephone: (416) 639-8840  
Facsimile: (416) 639-8639  
Telex: 061-8506  
Contact: A.S. Taylor, Industry  
Manager, Chemical and  
Petroleum

Bailey Canada Inc. is a world leader in the supply of instrumentation, controls, and distributed systems for the chemical and petroleum markets. The company provides a comprehensive service from the earliest engineering/design stages through to project management to final testing, training and commissioning. Nearly a decade ago, Bailey established an industry standard for distributed digital process control with the introduction of the *Network 90* system. More than 8 500 systems have been sold worldwide. Bailey's *INFI90 Strategic Process Management System* extends Bailey's leadership in control systems.

## Baker Hughes Canada Inc., Milpark Drilling Fluids Division

600, 736 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 1H4

Telephone: (403) 269-6971  
Facsimile: (403) 262-3875  
Contact: Jim A. McCracken, Area  
Manager

Milpark Drilling Fluids Division has supplied drilling fluid products and provided engineering expertise on over 12 000 wells since its establishment in 1958. The company has a complete range of drilling fluid additives for water-based and oil-based drilling fluids. A complete line of equipment, including bulk tanks and mixing facilities is also available. Milpark's engineers are equipped to handle drilling fluid situations worldwide—severe loss of circulation, sloughing shales, over pressures, salt, H<sub>2</sub>S, CO<sub>2</sub>, water flows, anhydrite, and coal seams.

## Banister Inc., Footage Tools Division

145 Fenmar Drive  
Weston, Ontario  
Canada M9L 1M7

Telephone: (416) 746-2911  
Facsimile: (416) 746-8906  
Contact: R.A. Hudson, Vice President

As a division of one of Ontario's largest underground utility contractors, Footage Tools manufactures customized field tools for the North American buried underground utility/resource industry. Their products include fusion tools for heat fusion of poly gas pipe, butt fusion equipment, squeeze-off tools, heating irons, heater faces, leak detectors; water tapping/drilling machines for direct tapping of water mains, flaring tools, underground piercing tools; and cable pullers and reel lifters.

## Barber Industries Ltd.

P.O. Box 5280, Station A  
Calgary, Alberta  
Canada T2H 2P3

Telephone: (403) 279-7511  
Facsimile: (403) 279-4136  
Telex: 038-25721  
Contact: K. Poffenroth, Marketing Manager

Barber Industries Ltd. has served the energy industry since 1940 and has grown to 300 employees and three operating divisions. It holds 16 patents on its product line. The company's products include wellheads, emergency shut-down systems (actuators, rig savers) and process equipment. The company serves the oil and gas industry in most oil producing countries.

## Baroid Corporation of Canada, Ltd.

2100, 840 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G2

Telephone: (403) 263-8740  
Facsimile: (403) 263-9355  
Contact: M. Todd Achen, Financial Manager

Baroid Corporation of Canada, Ltd. has been providing products and services to the

oil and gas industry for 30 years. Its Baroid Drilling Fluids Division provides drilling fluids to lubricate and cool the drill bit, remove cuttings and control downhole pressure. Its Sperry-Sun Drilling Services of Canada Division provides the equipment and personnel to drill directional wells with profiles from vertical through horizontal. Bits, motors, non-magnetic flex weight drill collars, drilling jars and MWD services (conventional directional tools, as well as full service logging and directional tools) are supplied. In 1987, the company supplied directional drilling services and equipment to over 625 wells for operators in Canada. It supplied directional drilling, supervision, equipment and personnel for projects in Japan, Kenya and Morocco. It also provided equipment and personnel for horizontal wells in the U.S., the Middle East and the North Sea.

## BeauDril (1987) Limited

P.O. Box 2574, Station M  
Calgary, Alberta  
Canada T2P 3S7

Telephone: (403) 233-4000  
Facsimile: (403) 233-5501  
Telex: 038-21335  
Answer Back: beaudril  
Contact: Tim Thomas, Coordinator, Marketing

BeauDril (1987) Limited leads the drilling industry in providing technologically advanced equipment and operating procedures for Arctic offshore drilling. Through the use of either a bottom founded or floating drilling rig (Molikpaq or Kullak), the harshest environments can be explored or delineated. In addition, four marine vessels, built to Canadian Ice Class IV standards, represent the most complete marine support system of its type. Two of these vessels rated at 23 000 HP represent the most powerful, privately owned icebreakers in the world. All or part of this system is available for charter, together with in-depth operational planning and support. Their markets include the North American offshore, as well as the U.S.S.R., China and Norway.

## Bedarco McGruer Inc.

5745, place Turcot  
Montreal, Quebec  
Canada H4C 1W1

Telephone: (514) 933-7551  
Facsimile: (514) 932-2942  
Contact: Michael Notte, Vice President, Sales and Engineering

Bedarco McGruer Inc. offers a complete line of customized heavy metal and sheet metal products, including pressure vessels, towers, columns, evaporators, heat exchangers, storage tanks, and silos. Its markets include the chemical, petrochemical, petroleum, gas, pulp and paper, mining and pharmaceutical industries. The company and its 100 employees operate from a 10 000 m<sup>2</sup> facility and export worldwide.

## Bennett Environmental Consultants Ltd.

200 - 1130 West Pender Street  
Vancouver, British Columbia  
Canada V6E 4A4

Telephone: (604) 681-3773  
Facsimile: (604) 681-6825  
Telex: 04-51586  
Answer Back: envircntre vcr  
Contact: Sue Kelsch, Marketing Assistant

Bennett Environmental Consultants Ltd. provides engineering and consulting services to the petroleum/chemical industry and governments worldwide. The company provides oil/chemical spill emergency response planning and evaluation, oil spill clean-up equipment design, supply evaluation, disposal of oily wastes, ecological surveys, and emergency response training. It also supplies emergency response software and Geographic Information Systems. The company has completed national emergency response plans for marine-based oil and chemical spills and has conducted training in emergency response on behalf of 14 countries in South America and Asia.

## Bercha International Inc.

1220 Kensington Road N.W.  
Calgary, Alberta  
Canada T2N 3P5

Telephone: (403) 270-2221  
Facsimile: (403) 270-2014  
Telex: 03-827666  
Answer Back: bercha cgy  
Contact: B.J. Griffin, Vice President

Bercha International Inc. has offices throughout Canada and Asia. It provides complementary consulting services in project management, engineering, risk analysis, remote sensing data acquisition, and environmental analysis services for clients in the private and public sectors worldwide. Since 1975, the company has provided services in Arctic and Antarctic engineering; industrial risk analysis; environmental risk assessment; ice mechanics; remote sensing, including radar and laser data; and digital data processing. Hundreds of projects have been executed in the northern and equatorial regions of the world.

## Beta Monitors & Controls Ltd.

300, 1615 - 10th Avenue S.W.  
Calgary, Alberta  
Canada T3C 0J7

Telephone: (403) 245-5300  
Facsimile: (403) 245-3257  
Contact: John Kent, Sales Manager

Beta Monitors & Controls Ltd. was incorporated in 1979. The company produces a complete line of condition monitoring systems which are used throughout industry in predictive maintenance programs. The company's products include the *RECIP-TRAP*—used in condition monitoring of reciprocating engines and compressors; *DATA-TRAP*—used in condition monitoring of rotating equipment; *BETA-TRAP*—used to balance large industrial engines; and *MHEALTH*—machine health monitoring system.

## BMP Energy Systems Ltd.

1100, 777 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3R5

Telephone: (403) 234-7979  
Facsimile: (403) 262-9775  
Contact: Gerald D. Feschuk, Vice President, Marketing

BMP Energy Systems Ltd. specializes in natural gas measurement processes, consulting and training for the domestic and international oil and gas industry. BMP is the only Canadian manufacturer of electronic integration equipment. This specialized measurement equipment utilizes *NGAS* (Natural Gas Accounting Software) developed by BMP. The company conducts training and consulting related to every aspect of measurement control, field inspection, surveillance, audit training, production accounting, loss prevention and security. The company also offers a production accounting system entitled *P.R.I.S.M.*, as well as modular field data capture system.

## Bombardier Inc.

106, promenade Gun  
Point Claire, Quebec  
Canada H9R 3X3

Telephone: (514) 694-4343  
Facsimile: (514) 695-9630

Bombardier Inc., established in 1942, offers all-terrain, soft track vehicles to the oil and gas industry. These vehicles feature capacities ranging from 2 000 to 40 000 lb. and are used for transporting equipment and personnel. The *Bombardier* and *Go-Tract* vehicles are used for diamond drilling, and burden and soil sampling drilling. They are also used as carriers of mobile cranes, petroleum exploration units, fire fighting units, and seismic exploration units.

## Bovar Inc., Mainland Manufacturing Division

15110 River Road  
Richmond, British Columbia  
Canada V6V 1L5

Telephone: (604) 273-1455  
Facsimile: (604) 276-0051  
Contact: Bruce M. Kitchener, Marketing Manager

The Mainland Manufacturing Division of Bovar Inc. offers integrated custom manufacturing services. Complete with foundry, machine/assembly shops, fabrication shops, belting shops, saw shops, distribution warehouses and engineering capabilities, Mainland also manufactures various models of service rigs. The company and its 186 employees export to the U.S., Mexico, Africa and South America.

## Bovar Inc., Western Research Division

1313 - 44th Avenue N.E.  
Calgary, Alberta  
Canada T2E 6L5

Telephone: (403) 291-1313  
Facsimile: (403) 291-1128  
Telex: 03-827569  
Contact: Aaron Dagan, Manager, International Marketing

Twenty-five years ago, when the sulphur recovery and gas processing industry in Canada was in critical need of environmental control technology and reliable pollution control in instrumentation, the Western Research Division of Bovar Inc. introduced the analytical tools, process analyzers and consulting services which enabled the industry to minimize polluting emissions. The current Western Research line of process instruments includes significantly advanced versions of the continuous stack emission monitor, air demand analyzer, sulphur dioxide monitor, hydrogen sulphide monitor, sales gas monitor, total reduced sulphur monitor and the hydrogen sulphide in amine monitor. Many of the company's products and services have become industry standards throughout North America and in many of the world's industrialized countries.

## **BPB Instruments (Canada) Ltd.**

615, 500 - 4th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2V6

Telephone: (403) 234-9144  
Facsimile: (403) 237-5480  
Contact: Mike Stadnyk, Sales  
Manager

BPB Instruments (Canada) Ltd. designs and manufactures wireline logging equipment and provides a comprehensive range of open hole, well logging services to the oil industry. The company's range of services includes open hole, cased hole, production logging, VECTAR enhanced high resolution logs, data transmission and computer interpretation. Both onshore truck mounted units and offshore skid units are available. In addition to conventional oil field services, a suite of slimline well logging services are offered for coal, tar sands, mineral and slimline oil and gas applications. The standard downhole oil field equipment is rated to 150° C and 1.5 000 psi; winch capacity is 6 000 m.

## **Bristol Babcock**

234 Attwell Drive  
Rexdale, Ontario  
Canada M9W 5B3

Telephone: (416) 675-3820  
Facsimile: (416) 674-5129

Established in 1933, Bristol Babcock is a manufacturing, sales and engineering company, specializing in networked distributed control systems and instrumentation—temperature, pressure and electrical recorders, transmitters and controllers. The company provides a number of services, including engineering design. It produces a number of different protocol drivers and offers a repair and maintenance service. Gas plants and gas transmission companies in Canada, the U.S. and Asia are among its clients.

## **Brittania Compression Industries Ltd.**

6, 3515 - 27th Street N.E.  
Calgary, Alberta  
Canada T2E 5E4

Telephone: (403) 250-1844  
Facsimile: (403) 291-2436  
Contact: W. Sanderman, President  
and General Manager

Brittania Compression Industries Ltd. offers compressed air or gas equipment and a complete range of services, including standard equipment supply, design engineering, fabrication and modification, installation and start up, maintenance, service, parts and repair. Its equipment includes industrial air compressors, positive displacement blowers and vacuum pumps for 1/8 HP to 300 HP in reciprocating, rotary vane and rotary screw configurations. In addition, Brittania can supply and service oil-free and high-pressure compressors with pressure ratings ranging to 10 000 psi. The company's ability to design and build specialized systems for compressed air or various other gases is in constant demand by numerous clients.

## **Brooke Ocean Technology Ltd.**

P.O. Box 2220, DEPS  
Dartmouth, Nova Scotia  
Canada B3W 3Y3

Telephone: (902) 466-4075  
Facsimile: (902) 466-4068  
Contact: Arnold Furlong, Partner

Brooke Ocean Technology Ltd. was formed in 1983 to offer services in mechanical research and development with emphasis on the conceptual design and industrial reproduction of unique oceanographic and marine equipment and methods, particularly mechanisms suited to harsh environmental conditions. The company specializes in the design and development of shipboard handling/recovery systems, design and development of towed systems, development of sensors and instrumentation, at-sea testing of equipment and systems, and development of oceanographic and marine equipment.

## **Bzh Petroleum Consultants Ltd.**

131 Valhalla Crescent N.W.  
Calgary, Alberta  
Canada T3A 1Z7

Telephone: (403) 263-5633  
Facsimile: (403) 265-0571  
Contact: Herve B. Collet, President

Established in 1976, Bzh Petroleum Consultants Ltd. has operated in Canada, the U.S., Europe, Africa and Central America. Its services range from wellsite supervision (geological, drilling, completions and production) to total project management and coordination (pre-project operation evaluations, supply, labour, logistics infrastructure, project administration, cost and materials control, and logistics backup). The company assists in the maximization of field efficiency and recovery of natural resources, better project administration, coordination and follow-up service.

## **C.M.E.L. Enterprises Ltd.**

P.O. Box 220  
Spencerville, Ontario  
Canada K0E 1X0

Telephone: (613) 658-3099  
Facsimile: (613) 658-2897  
Contact: Bob Marcellus, President

C.M.E.L. Enterprises Ltd. was established in 1979 to provide consulting, engineering, and research and development services to both industry and government. It is a leader in mechanics and ice-structure interaction modelling. Its services include ice engineering, continuum modelling, fracture mechanics modelling, offshore coastal and Arctic engineering services, and offshore pipeline design.

## **CAE Machinery Ltd.**

3550 Lougheed Highway  
Vancouver, British Columbia  
Canada V5M 2A3

Telephone: (604) 299-3431  
Facsimile: (604) 299-5935  
Telex: 04-53498  
Contact: L.M. LePage, Foundry  
Industrial Sales Manager

CAE Machinery Ltd., founded in 1913, is one of the CAE Industries group of



companies. The Foundry Division meets its needs for large steel, stainless steel and ductile iron castings (to 5 500 kg), and also supplies numerous North American companies. Its produces components for heavy equipment, such as cast gear blanks; and pump and valve components for petrochemical, pipeline, and power generation (including nuclear). The Foundry Division meets the requirements of CSA Z299.3.

### CAEC Arctic Engineering Inc.

201 - 150 Isabella Street  
Ottawa, Ontario  
Canada K1S 5A3

Telephone: (613) 236-3920  
Facsimile: (613) 236-5614  
Telex: 053-4499  
Answer Back: *germil ott*

CAEC Arctic Engineering Inc. is a Canadian joint venture company. It develops turnkey solutions to problems of hydrocarbon resource development in northern offshore areas. This approach brings together a wide range of complementary expertise and offers clients a cost effective alternative to similar services provided by the large multinational corporations. CAEC offers services in project management, ice model testing, geophysics, naval architecture, logistics support, structural engineering, instrumentation and controls. Its markets include countries with difficult offshore waters, such as the U.S.S.R., China, Norway and Denmark.

### Camrose Electric Controls Ltd.

9651 - 62nd Avenue  
Edmonton, Alberta  
Canada T6E 0E1

Telephone: (403) 435-5195  
Facsimile: (403) 434-7887  
Contact: *Ken Hillman, President*

Camrose Electric Controls Ltd. was founded in 1954 and, in cooperation with a major oil company, a wellhead pumping unit shutdown switch was developed for the oil industry. The company has expanded its line of controls to include stuffing box pollution controls, wellhead pumping unit controls, vibration controls, liquid levels

controls, float controls and flow/no flow controls, as well as a range of pressure controls from 0.05 to 2 in. for use in pipeline, petrochemical and industrial plants. The *RS73WPM* is the most popular product because of its external reset, high temperature and high-pressure capabilities. It is used extensively in steam flood applications.

### Canadian Blower/Canada Pumps Limited

90 Woodside Avenue  
Kitchener, Ontario  
Canada N2G 4K1

Telephone: (519) 744-8111  
Facsimile: (519) 744-4500  
Contact: *Robert E. Schock, Vice President, Sales*

Canadian Blower/Canada Pumps Limited was founded in 1905 and has a 20 000 m<sup>2</sup> manufacturing facility, a staff of 400, and many numerically controlled work centres. The company produces customized heating, ventilating, air conditioning units; commercial and industrial pumps; and machine tools for markets worldwide.

### Canadian Foremost Ltd.

1616 Meridian Road N.E.  
Calgary, Alberta  
Canada T2A 2P1

Telephone: (403) 272-3322  
Facsimile: (403) 273-8084  
Telex: 038-22772  
Answer Back: *foremost cgy*  
Contact: *D.R. Stewart, Director of Sales, Vehicles Division*

The Vehicles Division of Canadian Foremost Ltd. designs and manufactures a wide range of high-flotation, wheeled and flexible track, low ground pressure, all-terrain transporters to serve a wide variety of industry needs. The vehicles are designed for operation in mud, sand, swamp or snow where conventional equipment cannot operate. The combination of low ground bearing pressure and high tractive effort provide excellent mobility. Payload capacities range from 5 to 70 tons.

The Drill Systems Division designs and manufactures a series of drills and drill pipes. It pioneered the design of the reverse circulation drill and pipe system which

provides uncontaminated soiled samples from depths to 300 m. The system is capable of drilling through all formations regardless of density, and in cases where conventional core drilling is not practical.

### Canadian Fracmaster Ltd.

1800, 505 - 5th Street S.W.  
Calgary, Alberta  
Canada T2P 3J2

Telephone: (403) 262-2222  
Facsimile: (403) 265-4967  
Telex: 03-827967  
Contact: *Bill Salahub, Manager, International Sales*

Canadian Fracmaster Ltd., founded in 1976, serves the oil and gas industry throughout Western Canada and internationally. Fracmaster offers a broad range of products and services, including its own line of oil field equipment—fracturing equipment, coiled tubing units, cementing equipment, nitrogen equipment and carbon dioxide equipment. Chemicals are developed in Fracmaster's laboratories for its acidizing, fracturing and cementing services. Chemicals can also be custom developed. Training in service and safety are provided in Canada and internationally. The ongoing development of new technologies is evidenced by its numerous patented products and services and other industry firsts. These technologies are offered internationally as part of Fracmaster's technology transfer commitments.

### Canadian International Fluid Services Inc.

403, 300 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3C4

Telephone: (403) 269-2803  
Facsimile: (403) 266-5708  
Telex: 0636700614  
Contact: *Larry Pamplin, President*

Canadian International Fluid Services Inc. provides technological advisory services to some of the world's largest oil and gas companies, and manufactures and supplies *Brine-Add* downhole fluids. The company's field representatives have developed an extensive working knowledge of fluid requirements and applications for nearly every oil field condition from shallow hole drilling projects to high-pressure sour gas

work over and horizontal drilling. The company is a leading authority in fluid compositions, programming, proposals and recommendations, and well site fluid supervision.

## Canadian Marine Drilling Ltd.

250 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2H8

Telephone: (403) 298-3500  
Facsimile: (403) 298-3533  
Telex: 03-822062  
Answer Back: domecanmar  
cgy  
Contact: L.G. Hammer, Manager,  
Contract Drilling

Canadian Marine Drilling Ltd. (Canmar) was formed in 1973 to perform the operational aspects of a major exploration program in the Canadian Beaufort Sea. Canmar performed the first deepwater drilling in the Beaufort Sea in 1976 and has drilling units supported by specialized marine equipment and technical personnel. Canmar is an Arctic offshore contractor and provides its clients with integrated drilling, marine, ice management and land-based logistical support. Providing these specialized services are 400 personnel; a fleet of four mobile offshore drilling units (three drill ships and one bottom-founded caisson); and a marine fleet, including six icebreakers.

## Canadian Rig Ltd.

1165G - 44th Avenue S.E.  
Calgary, Alberta  
Canada T2G 4X4

Telephone: (403) 287-1910  
Facsimile: (403) 287-2367  
Contact: Allan Richardson, General  
Manager

Canadian Rig Ltd. was established in 1984 to design, build and operate advanced oil field rigs and associated equipment. The company has specialized in slant drilling, mechanization and automation of drilling rigs, slant work over rigs, and top drive drilling systems for conventional mobile, land-based drilling rigs.

## Canadian Swabmaster Products Ltd.

708 - 19th Avenue, P.O. Box 139  
Nisku, Alberta  
Canada T0C 2G0

Telephone: (403) 955-7500  
Facsimile: (403) 955-8921  
Contact: Garry Farr, Sales Manager

Canadian Swabmaster Products Ltd. has been manufacturing and exporting a complete line of well servicing equipment for 10 years. Their equipment includes swab cups—tubing and casing; swab mandrels—tubing and casing sinker bars; tubular jars; hydraulic oil saver units; rod stripper rubbers; pipe wipers; rope sockets and swivels; oil saver rubbers; BOP ram rubbers; hydraulic pack-off head; and pack-off rubbers.

## Canadian Tool & Die Ltd.

1331 Chevrier Boulevard  
Winnipeg, Manitoba  
Canada R3T 1Y4

Telephone: (204) 453-6833  
Facsimile: (204) 453-3803  
Contact: Hans Roeder, Manager,  
Specialty Engineering

Canadian Tool & Die Ltd., founded in 1947, is a custom manufacturer of heavy duty cylinders. The cylinders feature working pressures up to 34 478 kPa (5000 psi); precision ground, hard chrome plated piston rods; bore sizes from 25 to 200 mm (1 to 8 in.); and a choice of seals. All cylinders are quality controlled and individually tested before leaving the factory. The company exports to the U.S., Mexico and Central America.

## Canadoil Forge Ltée

805, boulevard Alphonse Deshaies  
Becancour, Quebec  
Canada G0X 1B0

Telephone: (819) 294-6683  
Facsimile: (819) 294-6189  
Contact: Bruno Perelli, General  
Manager

Canadoil Forge Ltée, founded in 1983, specializes in the manufacture of customized valves and pipe fittings. The company exports to the U.S. and South America.

## CanOcean Engineering Limited

1 Grosvenor Square  
New Westminster, British Columbia  
Canada V3M 5S1

Telephone: (604) 524-4451  
Facsimile: (604) 524-8943  
Contact: Jean Lhopitallier, Chief  
Executive Officer

CanOcean Engineering Limited, formed in 1969, has pioneered many types of subsea systems and has become a world leader in the area of subsea oil production technology. It has completed projects throughout the world, including Brazil, China and India. CanOcean has been designing multiwell production systems since 1977. Template and manifolds have been designed for numerous major oil companies. These systems are for shallow water, diver-assisted applications, as well as operated equipment for installation, retrieval and maintenance of subsea equipment.

## Canpolar Inc.

265 Rimrock Road, Unit 4  
Toronto, Ontario  
Canada M3J 3C6

Telephone: (416) 635-5484  
Facsimile: (416) 635-5353  
Contact: James R. Rossiter,  
President

Canpolar Inc. was formed in 1983 to provide innovative scientific consulting to the offshore development sector, particularly for Canada's Arctic and East Coast regions. The company focusses on technologies for the detection and monitoring of pollution, environmental conditions and infrastructure decay. Its approach is to combine leading sensor technologies with the capabilities of modern portable computers. Canpolar has extensive experience and expertise in the development and use of Ground Penetrating Radar (GPR) for environmental and engineering applications, as well as in the research and development of sensing technologies for oil industry problems. The company has proprietary application and interpretation software for combining GPR results with those from other sensors, such as electromagnetic induction. The company also offers unique airborne ice thickness measurement capability.

## Canspec Group Inc.

480C - 36th Avenue S.E.  
Calgary, Alberta  
Canada T2G 1W4

Telephone: (403) 287-2783  
Facsimile: (403) 287-1559  
Contact: John Collins, Marketing  
Manager

Canspec Group Inc., incorporated in 1985, is comprised of a number of companies and is one of the largest groups of engineers, technologists and inspectors engaged in quality assurance. Canspec is a recognized leader in the field of computerized non-destructive test systems. The company offers specialized engineering consulting services which include specification preparation, failure analysis, plant evaluation and audits, and material evaluations in the areas of metallurgy, welding, corrosion, polymers, and quality assurance. The non-destructive testing division uses technologically advanced equipment for radiography, ultrasonics, infrared thermography, vibration analysis, magnetic particle, leak testing, acoustic emission monitoring, alloy analysis and others. Canspec also provides technical assistance to thermal and nuclear power generator stations, the pipeline and offshore industry, aerospace and shipbuilding, major manufacturing industries, and structural steel fabrication.

## Cantech Environmental Systems Inc.

2345 Stanfield Road  
Mississauga, Ontario  
Canada L4Y 3Y3

Telephone: (416) 275-9800  
Facsimile: (416) 275-0947  
Telex: 06-961477  
Contact: Ken Scott, Sales Manager

Cantech Environmental Systems Inc. offers complete engineering services and a broad range of gas and liquid filtration products to the oil and gas industry. The *Canflo* trademark offers a variety of liquid filtration products and systems for the filtration of drilling fluids, hydrocarbons and amine. Cantech exports to most world markets.

## Canterra Equipment Inc.

6700 - 9th Street N.E.  
Calgary, Alberta  
Canada T2E 8K6

Telephone: (403) 295-7676  
Facsimile: (403) 295-7683  
Telex: 03-821214  
Contact: Howard Jackson, Vice  
President, Sales

Established in 1978, Canterra Equipment Inc. designs and manufactures heliportable seismic drill rigs. It has developed 'people' portable, buggy, trailer and other types of heliportable seismic drills. The company's hands-on approach and technical ability has made them an industry leader. The portable models include hand carried models for hole depths to 50 m in hard rock. The helicopter portable drills are available in models for hole depths to 100 m. The company's new products include auger drills for recovery wells. A soil investigation service is also offered. More than 500 Canterra drills have been sold in 26 countries.

## Canuck GIE Engineering Ltd.

200, 708 - 11th Avenue S.W.  
Calgary, Alberta  
Canada T2R 0E4

Telephone: (403) 267-6000  
Facsimile: (403) 267-6099  
Telex: 03-826678  
Answer Back: canuck eng cgy  
Contact: William Bruce, President

Canuck GIE Engineering Ltd., consulting engineers to the pipeline and petroleum industries worldwide, provides a complete range of services from feasibility studies through to total project engineering, procurement and construction management. It is recognized in Canada as a leader in the provision of specialized services to the pipeline industry. The company has the technical capability, experience and resources to provide general consulting services for the transportation of crude oil, gas, gas liquids, LNG, petroleum products, commercial liquids, gases and slurries. Its staff have had senior design responsibility for all phases of oil, gas and product pipeline projects in Canada and abroad, including evaluation and selection of new and unique equipment and materials for unusual pipeline service, tankage and storage, interface detection and metering for

custody transfer of unusual and high vapour phase products.

## Capilano Geophysical Ltd.

2615 - 22nd Street N.E.  
Calgary, Alberta  
Canada T2E 7L9

Telephone: (403) 276-8022  
Facsimile: (403) 291-2355  
Contact: John A. Bull, International  
Operations Manager

Capilano Geophysical Ltd., one of Canada's largest geophysical data acquisition companies, was founded in 1980. The company employs more than 200 people in domestic and overseas operations. Capilano has a mix of four sophisticated vibroseis (controlled energy input) crews with one dynamite energy source crew. It is equipped to handle any terrain requirements. The company's capabilities extend to management and field personnel who are experienced in both domestic and international operations; dynamite or vibroseis recording; high channel capability with *SERCEL 368*, *CFS 5*, and *MASTER/SLAVE* recording systems; extensive field processing and parameter testing; computerized quality control for vibrators and recording instrumentation; and all terrain capabilities with both track and buggy crews.

## Caproco (1987) Limited

8741 - 53rd Avenue  
Edmonton, Alberta  
Canada T6E 5E9

Telephone: (403) 468-1187  
Facsimile: (403) 466-6432  
Telex: 037-42787  
Answer Back: caproco edm  
Contact: Bob Conn, Vice President

Caproco (1987) Limited has offered a comprehensive corrosion prevention service since 1951. The company can provide a total involvement from initial site survey through manufacturing to commissioning, maintenance and training, and material procurement. Caproco has experts available for consultation in a wide variety of corrosion disciplines. Its equipment has been installed for various projects throughout the world, including the U.S.S.R., Middle East, North Sea and the U.S.

The range of internal corrosion monitoring equipment includes access fittings, retriever tools, service valves, weight loss coupons, and a full line of monitoring probes and metering devices. Products related to detection of biofilm related corrosion include bacteria probes, electrical resistance (ER) and linear polarization (LPR) probes for use in high or low pressure systems; a complete line of biofilm monitoring equipment, including biofilm studs, probes and spools; *The Hydrogenase Test*—a new test for microbially influenced corrosion which is fast (less than 4 hours) and will indicate the level of activity of corrosion-influencing bacteria.

### Cardium Tool Services Inc.

2880 - 64th Avenue  
Edmonton, Alberta  
Canada T6P 1W6

Telephone: (403) 465-9311

Facsimile: (403) 469-0744

Telex: 037-41702

Answer Back: *cardium edm*

Contact: Christopher Stewart,  
International Director

Cardium Tool Services Inc., founded in 1954, is a leading designer and manufacturer of downhole tools and services for Canadian, U.S. and Asian clients. It has been involved in the development of every major oil and gas field in Canada. Its operations extend from the critical sour wells of the Alberta foothills to the massive Enhanced Oil Recovery Tar Sands of Northern Alberta. Cardium is also a major supplier to East Coast and Arctic frontier areas. From a simple tubing anchor catcher to a critical service tandem cone hydraulic liner hanger assembly, Cardium provides superior equipment designed to help produce oil and gas profitably, efficiently and safely.

### Catalytic Maintenance Inc.

400, 8500 MacLeod Trail South  
Calgary, Alberta  
Canada T2H 2N2

Telephone: (403) 268-6899

Facsimile: (403) 255-1421

Telex: 038-22509

Answer Back: *del cat cgy*

Contact: Murray Propp, Vice  
President, Business  
Development

Catalytic Maintenance Inc. introduced the concept of contract maintenance for industrial plant sites to North America in 1952. At present, Catalytic averages approximately one million days annually in the development of international projects in Asia and South America. Four thousand highly trained supervisory staff and trades personnel for safety, labour relations, quality assurance/control and tool services are supplied for maintenance, shutdown revamp and construction projects.

### Centre for Frontier Engineering Research

200 Karl Clark Road  
Edmonton, Alberta  
Canada T6N 1E2

Telephone: (403) 450-3300

Facsimile: (403) 450-3700

Contact: Elizabeth Clarke,  
Networking Officer

The Centre for Frontier Engineering Research (C-FER) was established in 1983 as a national centre of excellence. Its list of members has grown to 40 organizations, representing the leaders in Canada's resource and service industries, government agencies, laboratories and academic institutions. C-FER's move to its new \$18 million research centre in the Edmonton Research Park heralds a dramatic step forward in its research capabilities. The centre offers a broad range of reliable, quality services through the integration of expertise in the disciplines of structural analysis and engineering, cold regions and offshore engineering, mathematical modelling and numerical analysis, materials science and engineering, risk and reliability analysis, and synthesis and analysis of information. Research at C-FER focusses on both the improvement of existing technologies and the development of new technologies. Its achievements include a

total technology for the design of ice-resisting composite walls, a new procedure for cold weather repair welds, a detailed understanding of the in-service performance of casing/connection systems for thermal recovery wells, and the innovative URAP tool for monitoring and for quality assurance in the make-up of premium connections.

### Century Valve and Machine Co. Ltd.

1915 - 30th Avenue N.E.  
Calgary, Alberta  
Canada T2E 6Z5

Telephone: (403) 250-9742

Facsimile: (403) 250-8624

Contact: Garth Hasselback,  
Marketing Manager

Century Valve and Machine Co. Ltd., founded in 1967, is a leader in the manufacture and supply of precision machined components for the process control industry in Canada. The company manufactures a complete line of instrumentation valves, ranging from small needle valves to gauge valves to multivalve instrumentation manifolds. Century is also Canada's largest producer of thermowells. The company also manufactures custom machined parts for a wide variety of companies in the processing and petrochemical sectors. Century utilizes advanced technology and manufacturing enhancements, such as CAD/CAM, CNC production equipment, robotics, and automatic bar-feed.

### Cessco Fabrication and Engineering Ltd.

7310 - 99th Street  
Edmonton, Alberta  
Canada T6E 3R8

Telephone: (403) 433-9531

Facsimile: (403) 432-7899

Contact: David Howie, Vice  
President

Cessco Fabrication and Engineering Ltd. is a diversified worldwide supplier of major equipment to the oil and gas industry. It is a leading Canadian designer and fabricator of large ASME Code pressure vessels manufactured with steel, clad steels and other alloys; and skid mounted process modules, such as dehydrators, separators

and line heaters. Cessco also builds large custom equipment and machinery for general industry. Skilled tradesmen for field construction and maintenance can be provided by the company's Field Services Division.

## CH2M Hill Engineering Ltd.

1100, 815 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3P2

Telephone: (403) 237-9300  
Facsimile: (403) 237-7715  
Contact: Steven L. Lackey,  
President

CH2M Hill Engineering Ltd. is a consulting engineering company. Founded in 1978, the company has received numerous awards for innovative engineering. It provides conceptual design studies, detailed designs and construction management services related to heavy oil projects, oil production, produced water treatment and disposal, and natural gas productions. All facets of project design are provided in-house, including water sourcing, gathering systems and pipeline networks, gas sweetening and sulphur removal, and environmental assessment. The company is a recognized leader in the technology related to the treatment of produced water for reuse as steam generator feedwater in heavy oil projects.

## Challenger International Services Ltd.

1000, 715 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2X6

Telephone: (403) 269-3121  
Facsimile: (403) 265-9296  
Telex: 03-825576

Answer Back: chal cgy  
Contact: Ken W. McInnis, Director  
of Marketing

Established in 1929, Challenger International Services Ltd. has developed into a major international onshore and offshore drilling and well servicing contractor. It has drilled daytime work, footage and turnkey contracts, both onshore and offshore, on five continents. The company is supported by a fleet of 40 drilling rigs with depth capacities from 2 000 to 7 500 m (6 500 to 24 500 ft.), 59

service rigs with depth capacities to 5 500 m (18 000 ft.) and a complete fleet of support vehicles and equipment. The company also provides training and management, supervisory and labour contracting services, as well as specialty drilling for the mining and construction industries.

## Challenger Surveys & Services Ltd.

200, 6011 - 1A Street S.W.  
Calgary, Alberta  
Canada T2H 0G5

Telephone: (403) 253-8101  
Facsimile: (403) 253-1985  
Contact: J. Tom Lockhart, Manager,  
International Business

Challenger Surveys & Services Ltd. is a multidisciplinary survey firm, offering a diverse range of survey services, including offshore surveys. The company has operating experience more than 20 countries. The range of professional services offered includes legal and Cadastral surveys, control surveys, oil field surveys, construction surveys, seismic surveys, hydrographic surveys, offshore surface and subsurface positioning and navigation, geohazard surveys, engineering surveys, gravity and magnetic surveys, software and hardware system design, drafting services, satellite control surveys (Transit and GPS), and research and development.

## Chambers Engineering Ltd.

17319 - 108th Avenue  
Edmonton, Alberta  
Canada T5S 1G2

Telephone: (403) 484-4447  
Facsimile: (403) 484-4581

Chambers Engineering Ltd. specializes in oil field and oil well production optimization, using the C.E. 1000 dynamometer and company developed software. The company also offers training courses and production engineering studies and is available for foreign and domestic operations. It provides full service and supplies for these instruments. The C.E. 1000 is a microcomputer-driven instrument; it is field rugged and can store data for 40 well surveys. The company has developed an advanced library of related software

covering all phases of pumping oil well analysis. The company's dynamometer service evaluates all aspects of the pumping system from pump intake pressure through mechanical condition of the pump and tubing anchor, stresses in the sucker rod string, loading on the gear box, and beam and power requirement.

## Chase Manufacturing Inc.

Box 12, Site 5, RR 5  
Calgary, Alberta  
Canada T2P 2G6

Telephone: (403) 279-2809  
Facsimile: (403) 236-1328  
Contact: Robert G. Herron,  
President

Chase Manufacturing Inc. produce and supply casing and tubing couplings to the worldwide oil industry. Advanced computer numeric controlled lathes are operated by skilled technicians, producing threads to exacting standards and close dimensional tolerances. Licensed by the American Petroleum Institute since 1985, the company has produced couplings in both round and buttress thread form and in diameters from 2 3/8 to 13 3/8 in.

## Chimo Equipment Ltd.

100, 909 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 1A6

Telephone: (403) 264-2245  
Facsimile: (403) 264-8848  
Contact: Robert W. Logan,  
President

Chimo Equipment Ltd., established in 1973, manufactures the WATCHDOG line of electronic drilling instrumentation. The WATCHDOG Model 303IS PVT Plus System is a microprocessor-based monitoring system which is designed to operate safely in all climatic conditions within a temperature range of -40° C to +70° C and to withstand the toughest oil field conditions.

## Chimo Polyurethanes Ltd.

100, 909 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 1A6

Telephone: (403) 264-2245  
Facsimile: (403) 264-8848  
Contact: Robert W. Logan,  
President

Chimo Polyurethanes Ltd. manufactures urethane elastomers for a variety of applications in the oil field markets. The manufacturing process requires the blending of high quality polyethers which are liquid cast to form the urethane products. Currently, it has the capability of processing medium-hard rubber to medium-hard plastics. The company exports to the U.S., Europe and Asia.

## Chinook Industrial Supplies Ltd.

516 - 60th Avenue S.E.  
Calgary, Alberta  
Canada T2H 0P9

Telephone: (403) 253-8291  
Facsimile: (403) 255-5565  
Contact: Robert A. Bracko,  
Manager

Chinook Industrial Supplies Ltd., incorporated in 1965, manufactures component parts for all makes of natural gas compressors and air compressors. The company pioneered the use of *high temperature* thermoplastic compressor valve plates. These modern, efficient and environmentally compatible materials are incorporated into their *Chinook* compressor valves used in natural gas production facilities, gas processing plants, gas transmission station, refineries, and petrochemical plants. They are also used in air compressors. *Chinook* compressor valves are engineered and designed to improve compressor valve efficiency.

## Cis Can Sales (Western) Ltd.

3880 - 74th Avenue  
Edmonton, Alberta  
Canada T6B 2P7

Telephone: (403) 466-3178  
Facsimile: (403) 468-5904  
Contact: David Gomez, Sales  
Manager

Cis Can Sales (Western) Ltd., incorporated in 1976, manufactures *Cata-Dyne* infra-red flameless gas heaters. These explosion-proof heaters are available in various sizes and configurations and feature single unit ratings from 3 000 to 45 000 BTU/hr. These heaters operate on natural gas or propane, and are certified by the Canadian Gas Association for use in class 1, divisions 1 and 2, group D hazardous locations. *Cata-Dyne* heaters are utilized for space and equipment heating of all types of oil and gas production buildings.

## Computalog Ltd.

800, 600 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 0S5

Telephone: (403) 265-6060  
Facsimile: (403) 298-5790  
Telex: 03-826771  
Answer Back: computalog Cgy  
Contact: J.F. Perry, Manager,  
International Development

The principal business of Computalog Ltd. is to provide the oil and gas industry with wireline logging, perforating and production logging; directional drilling, measurement while drilling and mud motors; fishing tools and supervision; cement plug quality logging; and petrophysical analysis. Wireline service operations include open hole services, cased hole services and production logging. Their geotechnical services for the petroleum industry include basic reservoir core analysis, specialty tests and analysis, petrophysical studies, fluid analysis and research. Manufacturing involves the design and fabrication of specialized truck or skid mounted wireline, MWD and seismic field units which are used in company operations and which are sold in export markets.

## Condor Machinery (1985) Ltd.

4771 Eleniak Road  
Edmonton, Alberta  
Canada T6B 2N1

Telephone: (403) 466-9799  
Facsimile: (403) 469-2357  
Contact: Inge Lohse, President

Condor Machinery (1985) Ltd. has been in the machining repair business since 1980 and offers specialized services to the oil and gas industry in Canada and the U.S. Complete with lathes, milling machines, drill presses, surface grinder, cylindrical grinder, numerical control machining, welders, and metco thermal coating, the company performs major and minor repairs to equipment employed in high-pressure and low pressure services. The equipment includes engine components, gas compressor components, centrifugal pumps, reciprocating pumps, turbines, gear boxes, heavy equipment repairs, foundry equipment, downhole drilling equipment and pipeline equipment.

## Control Engineering Inc.

11, 1915 - 32nd Avenue N.E.  
Calgary, Alberta  
Canada T2E 7C8

Telephone: (403) 250-7915  
Facsimile: (403) 250-1194  
Contact: James Shedden, Vice  
President, Marketing

Control Engineering Inc., established in 1988, specializes in automation systems and electrical engineering. Its engineering expertise applies to the petroleum and petrochemical industries, manufacturing and production, gas, electrical and water utilities. The company will provide conceptual design and planning studies, including testing, commissioning and start up. It also offers a comprehensive knowledge of automation systems, such as flow measurement, programmable controller applications, distributed control systems (DCS), and Supervisor Control and Data Acquisition Systems (SCADA); and electrical engineering expertise in power system studies, motor control centres, variable speed drive systems, lightning and power distribution systems.

## Corrosion Service Co. Ltd.

369 Rimrock Road  
Downsview, Ontario  
Canada M3J 3G2

Telephone: (416) 630-2600

Facsimile: (416) 630-2393

Telex: 06-218984

Answer Back: corrosion tor

Contact: R.A. Gummon, Vice  
President, Engineering

Corrosion Service Co. Ltd. is a full service corrosion engineering firm, specializing in the application of cathodic protection to oil and gas pipelines, storage facilities and production equipment. A staff of more than 120 includes NACE certified corrosion specialists, cathodic protection specialists, corrosion technologists and technicians. Its services include cathodic protection designs, stray current investigations, corrosivity determinations, cathodic protection system surveys, and supervision of cathodic protection installations.

## Cougar Tool Inc.

P.O. Box 5770, Station L  
Edmonton, Alberta  
Canada T6C 4G2

Telephone: (403) 437-5277

Facsimile: (403) 437-7666

Contact: Raymond Labonte,  
General Manager

Cougar Tool Inc., supported by its engineering and research and development personnel, has been manufacturing drilling jars and stabilizers for more than 30 years. The company has developed an exceptional support network to supply and service these products. Its equipment is exported to most oil producing regions.

## CPW Valve & Instrument Ltd.

11620 - 170th Street  
Edmonton, Alberta  
Canada T5S 1J7

Telephone: (403) 451-6888

Facsimile: (403) 454-0331

Contact: Bill Hollands, Vice  
President

CPW Valve & Instrument Ltd. manufactures and markets the *Hydro-Poise* line of liquid-filled pressure gauges. The gauges

are used in refineries, chemical plants, gas plants, on wellheads and drilling rigs and in all resource industries. The liquid-filled dry gauges protect the movement from rust, dust, vibration and severe pulsation. The firm also produces the *Hydro-Pak* line of gauges which are used in industrial applications, such as hydraulics, and on air or water lines. These products are exported to the U.S. and Asia.

## Cryogas Engineering Ltd.

1605, 700 West Pender Street  
Vancouver, British Columbia  
Canada V6C 1G8

Telephone: (604) 688-1773

Facsimile: (604) 688-4614

Contact: G.A. Constable, Vice  
President, Marketing and  
Finance

Cryogas Engineering Ltd. was formed in 1985 to manufacture and supply liquid natural gas (LNG) liquefiers and fuel systems for transport vehicle applications. Cryogas has the technology, engineering, designs and experience to supply complete LNG fuel systems, particularly systems of a scale to service individual truck and bus fleets. The company will also provide installation, start up, and training services. A complete system includes LNG liquefier, LNG storage tank, LNG fuelling station, on-board vehicle tanks, and vehicle conversion to natural gas operation. In addition to conversion of spark ignition engines to natural gas, Cryogas has a proprietary dual fuel (diesel/natural gas) conversion kit.

## Cullen Canadian Inc.

9300 - 192nd Street  
Surrey, British Columbia  
Canada V3T 4W2

Telephone: (604) 888-1211

Facsimile: (604) 888-6583

Telex: 04-365662

Contact: K. Douglas Cullen,  
President

Cullen Canadian Inc. manufactures diesel and gas turbine power plants and propulsion systems, using heavy duty prime movers—Wartsila Diesel, Detroit Diesel, Kawasaki Industrial Gas Turbines and others. Other products include modularized power systems, Cullen customized controls and switchgear, and power systems ranging

from 100 to 20 000 Kw. The company's power systems have been successfully installed in oil and gas exploration sites in the Arctic Circle and in high ambient desert locations, as well as offshore drilling rigs, production platforms and support vessels.

## D&S Petroleum Consulting Group Ltd.

700, 125 - 9th Avenue S.E.  
Calgary, Alberta  
Canada T2G 0P6

Telephone: (403) 268-6500

Facsimile: (403) 269-7265

Telex: 03824649

Answer Back: d+s des cgy

Contact: T.P. Lederhouse, Vice  
President, Engineering and  
International Consulting

The D&S Petroleum Consulting Group Ltd. is one of the oldest integrated consulting firms in Canada. The company offers, on a worldwide basis, a wide range of professional consulting services, technical and commercial software products, and a computer time share service bureau. The consulting services include property and corporate evaluations, reservoir and mathematical simulation studies, heavy oil, geology, petrophysics, drilling and production operations, production and revenue accounting, as well as gas chart integration. Software products address the areas of corporate evaluations and economics, production history and forecasts, log analysis, reservoir analysis, numerical simulation and production and revenue accounting. These services and software products have been provided to the petroleum industry in Canada, the U.S. and Asia.

## D.B. Robinson Design & Manufacturing Ltd.

9419 - 20th Avenue  
Edmonton, Alberta  
Canada T6N 1E5

Telephone: (403) 463-8638

Facsimile: (403) 450-1668

Telex: 037-2966

Answer Back: edm

Contact: Raymond O. Lemieux,  
Group Manager, Marketing  
and Sales

D.B. Robinson Design & Manufacturing Ltd. designs and manufactures specialized high-pressure laboratory equipment for use in petroleum research and chemical process laboratories. Their equipment includes precision positive displacement pumps, visual and blind cells and associated complex systems used to evaluate hydrocarbon production techniques and the study of fluid phenomena experienced in the chemical process industry. The company's founder has been the recipient of numerous Canadian and international awards in recognition of his achievements in the measurement and prediction of the properties and behaviour of hydrocarbons and related mixtures.

### Dacro Industries Ltd.

9325 - 51st Avenue  
Edmonton, Alberta  
Canada T6E 4W8

Telephone: (403) 434-8900  
Facsimile: (403) 436-4203  
Contact: Hugh Hunter, Business  
Development

Dacro Industries Ltd. has been serving domestic and foreign markets since 1974. It offers complete job management to clients, including design, drafting, procurement, expediting, fabrication and inspection. The company's products for the resource industry include process towers, stabilizers, de-ethanizers, regenerators and reactors; pressure vessels—such as air receivers, storage bullets, separators and filters; and flare stacks and related structural ladders, platforms and skids.

### Datek Industries Limited

8522 Davies Road  
Edmonton, Alberta  
Canada T6E 4Y5

Telephone: (403) 465-1530  
Facsimile: (403) 465-0130  
Contact: Dallas Hauge, Director of  
Marketing

Datek Industries Limited is an electronic manufacturing company. Since 1971, the company has specialized in the solutions to complex electronic problems. Most of its major clients are in resource based industries. The company has developed a reputation for its capabilities in custody transfer and remote data acquisition. Large gas and oil pipelines depend on Datek to

provide them with a sophisticated level of custody transfer units and control systems to manage their complex pipeline systems.

### Delta Projects Inc.

400, 8500 MacLeod Trail South  
Calgary, Alberta  
Canada T2H 2N7

Telephone: (403) 259-6411  
Facsimile: (403) 255-1421  
Telex: 038-22509  
Answer Back: del cat cgy  
Contact: Murray E. Propp, Vice  
President, Business  
Development

Delta Projects Inc. is a fully integrated engineering, procurement and construction company and provides project management, process design, detailed engineering, procurement and construction services to energy related projects within Canada and abroad. Since 1966, the company and its 350 employees have played a vital role in the development of Canada's energy sector.

### Diamant Boart Stratabit Ltd.

800, 407 - 2nd Street S.W.  
Calgary, Alberta  
Canada T2P 2Y3

Telephone: (403) 263-8025  
Facsimile: (403) 262-4346  
Telex: 03-821983  
Answer Back: 2500062  
Contact: Cam Hamilton, General  
Manager

Diamant Boart Stratabit Ltd. is a world leader in the design, manufacture and implementation of diamond and P.D.C. drilling bits, as well as coring bits and core BBLS. The company has extensive experience in optimizing drilling performances in every major oil field. Their DBS Sponge Coring System squeezes twice as much oil saturation data. Sponge cores data correlate better with electric log data. It can provide residual oil saturation after waterflood and identify depleted zones in a formation. Sponge core data can identify oil/water zones or transition zones. Their Canadian operation has participated in many international ventures.

### Digitech Information Services Ltd.

700, 840 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G2

Telephone: (403) 266-8622  
Facsimile: (403) 233-2917  
Contact: Stephen Henry, General  
Manager

Digitech Information Services Ltd. provides information and system resources to the resource sector. The gathering, integration and distribution of large amounts of exploration and development information plays a key role in Digitech's business strategy. Coupled with this is the provision of system resources for the running of external applications. These system resources include CPU, tape, and printing and plotting facilities. Turnaround and system response are important factors to their clients.

### Dilcon Constructors Ltd.

20 Brooksbank Avenue  
North Vancouver, British Columbia  
Canada V7J 2B8

Telephone: (604) 986-5911  
Facsimile: (604) 980-5875  
Telex: 04-352848  
Contact: J.B. Steward, Marketing  
Manager

Dilcon Constructors Ltd. performs construction work and provides project management and construction management services to projects within Canada and abroad. It is one of Canada's largest construction organizations. The company can undertake all aspects of large complex projects, electrical, instrumentation and insulation work, piping, and the installation of process equipment. Services include all activities from initial planning through physical construction and any necessary infrastructure, to commissioning of the completed facility. The company has participated in projects in Central America, the Caribbean and Asia.



## DIPIX Technologies Inc.

1050 Baxtor Road, Unit 7  
Ottawa, Ontario  
Canada K2C 3P1

Telephone: (613) 596-4942

Facsimile: (613) 596-4914

Telex: 053-3651

Answer Back: dipix ott

Contact: Vijay Dube, Corporate  
Marketing Manager

DIPIX Technologies Inc. provides *ARIES* Image Processing Systems to various oil exploration companies, Government geological agencies and mapping companies worldwide. The *ARIES* system is used to extract pertinent information from satellites and aircraft remote sensing data for the selection of drilling and exploration sites and for locating mineral and petroleum resources. This data is used with Geographic Information System (GIS) information to provide a complete geologic analysis.

## Double T Equipment Manufacturing Ltd.

2 East Lake Way  
Airdrie, Alberta  
Canada T4B 2B8

Telephone: (403) 948-5618

Facsimile: (403) 948-4780

Telex: 03825805

Answer Back: double t air

Contact: Thomas Thomas,  
President

Double T Equipment Manufacturing Ltd. was founded in 1976. It designs and builds rail/truck inload systems, rail/truck outload systems, bulk material handling, and blending and storage systems for use in Canada and the U.S.

## Dover Corporation (Canada) Ltd., Alberta Oil Tool Division

9530 - 60th Avenue  
Edmonton, Alberta  
Canada T6E 0C1

Telephone: (403) 434-8566

Facsimile: (403) 434-4267

Contact: J.R. Kosh, Vice President

Alberta Oil Tool, established in 1951 and a division of Dover Corporation (Canada) Ltd., has manufactured for the oil industry in Canada and the U.S. since 1963. The division manufactures the *Norris* brand of sucker rods and accessories, butterfly valves, tubular fittings, control valves and level controllers.

## Dreco Energy Services Ltd.

3716 - 93rd Street  
Edmonton, Alberta  
Canada T6E 5N3

Telephone: (403) 463-2065

Facsimile: (403) 463-3276

Telex: 037-2243

Contact: Matt Syder, Manager,  
International Sales

Dreco Energy Services Ltd. designs, manufactures, markets and leases drilling rigs, well servicing and work over rigs, drilling machinery and downhole drilling tools used in the drilling and servicing of oil and gas wells. The company conducts manufacturing operations in Canada and the U.S. The company is a leading exporter of drilling equipment.

## Dresser Canada Inc., Dresser Pump Division

Worthington Drive  
Brantford, Ontario  
Canada N3T 5M5

Telephone: (519) 753-7381

Facsimile: (519) 753-0845

Telex: 061-81165

Contact: J.P. Kenney, Director of  
Marketing

Since 1963, Dresser Pump has researched, designed and developed *Worthington* centrifugal and rotary screw and gear pumps for many services in the oil and gas industry, including production, drilling, enhancement, blending, storage, pipelining, refining, tar sands, heavy oil, offshore production platforms, and multiphase applications. The company's products are exported worldwide.

## Drill-Rite Industries (1985) Ltd.

2435 - 22nd Street N.E.

Calgary, Alberta

Canada T2E 8K8

Telephone: (403) 250-1351

Facsimile: (403) 250-2534

Contact: Don A. Lackie, President

Drill-Rite Industries (1985) Ltd. supplies fishing tools, abandonment tools and cutting equipment, and supervision services to customers in Canada and throughout the world. The company manufactures its own line of milling equipment and wash over tools. Drill-Rite has substantial expertise in drilling, fishing and abandonment in all types of environments, on land and offshore.

## Drilltel Systems Limited

3601A - 21st Street N.E.

Calgary, Alberta

Canada T2E 6T5

Telephone: (403) 250-5125

Facsimile: (403) 291-9556

Telex: 03-821172

Contact: Alex Finnie, Vice President

Drilltel Systems Limited manufactures a complete line of hydrocarbon detection equipment, including total gas detectors, hydrogen flame chromatographs, H<sub>2</sub>S and cuttings gas detectors, as well as full computer-based rig monitoring systems. Drilltel can offer manned logging services in a variety of configurations or provide high level training and maintenance personnel. International needs for equipment were met in 1974 with the opening of manufacturing, and research and development facilities in Canada. The company exports to the U.S., Costa Rica, Africa, the U.K. and Australia.

## ECS-Power Systems Inc.

201 - 150 Isabella Street  
Ottawa, Ontario  
Canada K1S 5A3

Telephone: (613) 236-3920

Facsimile: (613) 236-5614

Telex: 053-4499

Answer Back: *germil ott*

Contact: V. Rudy Sligl, Vice  
President, Corporate  
Relations

ECS-Power Systems Inc. is an engineering company and specializes in the development of advanced energy systems and associated product technologies for specialized applications. The company also provides professional engineering services to a variety of clients, including government, the power generation industry, oil and gas and marine industries. Its products include *Ocean Shuttle*— commercial nuclear-powered submarine concept for offshore underwater services, such as offshore oil and gas developments to depths greater than 50 m, exploration, construction and IMR services;

*CARMA*—computer-assisted reciprocating machinery analysis used for compressor stations worldwide in onshore/offshore pipelines and diesel engine analysis. The company's services include project management, naval architecture and marine engineering, environmental engineering, as well as the design of icebreakers and ice capable ships and supply vessels.

## EI-Mac Pacific Distributors Ltd.

P.O. Box 80232  
Burnaby, British Columbia  
Canada V5H 3X5

Telephone: (604) 433-3292

Facsimile: (604) 433-6263

Contact: T. Alvin McMillan,  
President

EI-Mac Pacific Distributors Ltd. manufactures tooling for situations where the lines at the flanges must be forced apart for service—replacing gaskets and changing blinds and installing valves in heavy duty pipelines and installations in refineries. Their *Big Mac* hydraulic flange spreaders are designed to completely overcome these problems. The flange spreaders can also be obtained with a manual adaptor. The company also manufactures a complete

range of valve wheel wrenches in aluminum, bronze and steel.

## Emery Apparat Canada Inc.

13140 St. Albert Trail  
Edmonton, Alberta  
Canada T5L 4R8

Telephone: (403) 451-4444

Facsimile: (403) 452-5100

Emery Apparel Canada Inc. manufactures high quality protective workwear. Its product line includes coveralls, uniforms, pants, shirts, and jackets. The company manufactures cold weather, fire retardant, antistatic/ antidust and conventional apparel. Emery sells through offices in Canada, the U.S., the U.K., Norway and the Middle East.

## Ener-Rig Electrical Supply Ltd.

2104 - 7th Street  
Nisku, Alberta  
Canada T0C 2G0

Telephone: (403) 955-2067

Facsimile: (403) 955-2545

Telex: 037-2966

Contact: Grady Long, General  
Manager

Ener-Rig Electrical Supply Ltd. was formed in 1978 as an electrical wholesaler/supply house to meet the requirements for the specialized electrical products and services required by the oil and gas industry. The company can supply information on almost all electrical items, including AC and DC variable speed drives, ABB motor control and capacitors, cable, lighting fixtures, and all other related electrical equipment. The company supplies the U.S. and numerous countries throughout Asia.

## Environmental Technologies Inc.

12, 1235 - 64th Avenue S.E.  
Calgary, Alberta  
Canada T2H 2J7

Telephone: (403) 253-1616

Facsimile: (403) 252-1136

Contact: Richard Collens, President

Environmental Technologies Inc. is an environmental company which specializes in methane gas extraction from landfill sites and the utilization of gas as an alternate energy source (boiler fuel, electrical generation, pipeline quality gas for home heating, production of methanol and/or high quality clean burning diesel fuel). Its products and services include landfill gas recovery and utilization; landfill gas gathering system design; feasibility studies and site evaluation; project management; Entec process design and installation; and system operation, monitoring and maintenance.

## EnviroSeal Engineering Products Ltd.

1310 Rocky Lake Drive  
Waverley, Nova Scotia  
Canada B0N 2S0

Telephone: (902) 861-3464

Facsimile: (902) 861-3522

Contact: Joe Dunford, President

EnviroSeal Engineering Products Ltd. has experience in dealing with the problems of fluid sealing. It has developed *Sealsaver* which greatly extends the operating life of mechanical seals and packing by as much as 15 times when installed in the seal cavity of industrial pumps. All grit is removed from the pumpage and expelled from the area of the seal. *Lantern Ring Coil* consists of pure teflon lantern ring material in a coil form. All machining of lantern rings for pumps, agitators, etc. is eliminated. It is available in all common cross sections in 6 ft. and 12 ft. lengths.

## Epton Industries Inc.

521 King Street West  
Kitchener, Ontario  
Canada N2G 1C5

Telephone: (519) 744-6530

Facsimile: (519) 744-7566

Contact: Jim Aylward, Vice  
President

Epton Industries Inc. is an integrated manufacturer of engineered rubber and plastic products for the mining, petroleum and other primary industries. Its products for the oil and gas industry include rotary vibrator, choke and kill hoses; blow-out preventer hoses; v-belts; steam hoses; and hydraulic hoses. The company's products are exported to the U.S. and Mexico.

## F C Manufacturing Ltd.

P.O. Box 67  
Nisku, Alberta  
Canada T0C 2G0

Telephone: (403) 955-2693  
Facsimile: (403) 955-3341  
Contact: Bruce Bembridge,  
President

F C Manufacturing Ltd., through their Vac Inductor Products Division, designs and manufactures vacuum equipment. The company mounts tanks and various components on the clients' choice of chassis. Many of their various models are offered with complete vacuum/pressure systems. The company exports to the U.S. and U.S.S.R.

## Farr Canada Ltd.

P.O. Box 3962, Station D  
Edmonton, Alberta  
Canada T5M 2V2

Telephone: (403) 453-3271  
Facsimile: (403) 455-2432  
Telex: 037-3094  
Answer Back: farr can ltd.  
Contact: Karen Harrod,  
Administrative Manager

Farr Canada Ltd. employs more than 300 people and manufactures a large variety of products to service the oil, transportation and construction industries worldwide. It offers 14 models of hydraulic tubing and casing tongs that are utilized in work over and drilling applications on both land and offshore rigs. Farr has been involved with the casing and tubular section of the oil field industry for more than 25 years. It also custom designs drill pipe tongs and hydraulic power tongs for the slant drilling industry.

## Fintube Inc., Biraghi Canada Division

1175, boulevard Alphonse-Deshaies  
Becancour, Quebec  
Canada G0X 1B0

Telephone: (819) 294-2521  
Facsimile: (819) 294-9505  
Contact: Michel Labelle, General  
Manager

The Biraghi Canada Division of Fintube Inc. provides both a standard and

customized line of high frequency finned tubes, studded tubes and economizers to refineries and the petrochemical industry, and for heavy oil recovery. The company provides a full range of extended surface tubes. The high frequency (HF) resistance welding process used by Biraghi to attach the fins to the exterior of the tube assures a high integrity metallurgical bond. This process is designed for high temperature, corrosive, erosive and other heavy duty applications.

## Fleming Oilfield Services Ltd., Reef Mud Division

360, 800 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G3

Telephone: (403) 261-3925  
Facsimile: (403) 261-8863  
Contact: James K. Fleming,  
President

The Reef Mud Division of Fleming Oilfield Services Ltd. was established in 1975 and offers generic and proprietary chemicals, as well as engineering services to the resource exploration industry. It supplies all of the chemicals required to drill and complete oil and gas, mining, water and geothermal wells. Engineering services and supervision of critical fluid properties are also provided. Many products have been specifically designed to provide environmental protection while drilling or during clean-up operations. Reef Mud is very successful at programming and servicing the more difficult and technically demanding projects. The widely varied geology and geography of the exploration industry in Canada has provided Reef Mud with the experience and technical ability to service any project worldwide.

## Fluor Daniel Canada, Inc.

Box 8799, Station F  
Calgary, Alberta  
Canada T2J 4B4

Telephone: (403) 259-1324  
Facsimile: (403) 259-1224  
Telex: 0636700853  
Contact: Keith McCrae, Vice  
President, Marketing

Fluor Daniel Canada, Inc. was incorporated in 1949 to serve the needs of the Canadian oil and gas industry. The company offers a

wide range of resources, capabilities and experience for the planning, development, engineering, procurement, construction and maintenance of oil and gas facilities. It has the capability to execute projects which range from feasibility studies and conceptual designs through to major EPC projects. The company's services have been provided to clients in the U.S., Asia, Europe, Australia and Mexico.

## Foothills Diamond Coring Ltd.

904, 825 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2T3

Telephone: (403) 266-5543  
Facsimile: (403) 266-7401  
Contact: Robert Zeer, President

For more than 25 years, Foothills Diamond Coring Ltd. has provided quality coring service to the oil business in Western Canada. The company's product line includes core bits, jars, core barrels and related parts in a variety of sizes. The style of its equipment conforms to international standards. *Sidetrak Coring*, developed and patented by Foothills, is a process in which operators are able to cut 10 ft. of continuous 2½ in. diameter core after their hole is drilled and logged. This is accomplished by deflecting the coring process at any interval and cutting core along side the existing bore hole.

## Four M Oilfield Services Ltd.

48 Avenue & 44 Street S.E.  
Redwater, Alberta  
Canada T0A 2W0

Telephone: (403) 942-3888  
Contact: Brian J. MacKenzie,  
General Manager

Four M Oilfield Services Ltd. was formed in 1971 as a well service contractor. The company manufactures customized spooling equipment and has developed *Hydra Spooler*—a totally enclosed skid mounted submersible cable spooler which is capable of spooling and transporting a reel of cable. The company exports to Asia.

## FRC Composites Limited

1993 Leslie Street  
Toronto, Ontario  
Canada M3B 2M3

Telephone: (416) 449-1405  
Facsimile: (416) 449-0536  
Telex: 069-66685  
Answer Back: frccomp tor  
Contact: Ergo Karuks, President

FRC Composites Limited researches and develops new products in the field of polymer modified and non-reinforced and fibre/fabric reinforced cementitious materials. Three of their principal products are *Tapecrete*, Marine Coating and *FRC-80*. These consist of a mixture of standard Portland cement, fly ash, water, inert filler materials, such as silica sand or other hard mineral aggregates, and acrylic polymer dispersion. In some applications, alkali resistant glass fibres or glass fabric or steel fibres are incorporated into the system. Their sealers are a complex mixture of an acrylic polymer dispersion and numerous chemicals normally available locally from the chemical industry. These products primarily protect structures against corrosion. *FRC-80* is used extensively on oil and gas pipelines. Their products are used in most oil producing regions of the world.

## FRE Pultrusions Inc.

4805 - 82nd Avenue  
Edmonton, Alberta  
Canada T6B 0E5

Telephone: (403) 466-3588  
Facsimile: (403) 468-9504  
Contact: Robert Santarossa,  
General Manager

FRE Pultrusions Inc. designs and manufactures advanced composite products. Manufacturing processes include filament winding, pultrusions and hand lay-up. Products range from conduit to the Space Station Arm Boom. The company offers fibreglass sucker rod, pressure pipe, downhole tubing, cable tray and duct rodding. Specialized advanced composite products can be custom designed and manufactured. Full FEA, laminate analysis, laboratory testing and field inspection engineering services are also provided.

## Frontier Engineering & Consulting Ltd.

200, 816 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 1A1

Telephone: (403) 265-3900  
Facsimile: (403) 266-1250  
Contact: Philip J. Murray, President  
and General Manager

Frontier Engineering & Consulting Ltd. was formed in 1977 to provide engineering and consulting services. The company's operations encompass all aspects of exploration, development and production for both land and offshore oil and gas activities. Its range of services includes drilling project design, engineering, supervision, consultation and management; well completion design, engineering and supervision; reservoir engineering and evaluation; well work over program design, engineering and supervision; secondary recovery project; pipeline, oil treatment and gas processing facility design, specification, procurement, construction and inspection; equipment and service procurement; and oil field training programs.

## Galaxy Oilfield Service Ltd.

5704 - 92nd Street  
Edmonton, Alberta  
Canada T6E 4Y6

Telephone: (403) 437-3741  
Facsimile: (403) 438-4481  
Contact: Patrick Zowtuck, President

Galaxy Oilfield Service Ltd. manufactures wellheads and oil field related products. It is licensed by the American Petroleum Institute to apply the official API monogram to its wellhead component product line. The company manufactures wellheads for conventional oil and gas applications, as well as high temperature heavy oil applications. Other products include polish rod stuffing boxes, one bolt couplings, four bolt clamps and swivels.

## Gentronics Petroleum Services Limited

9, 2216 - 27th Avenue N.E.  
Calgary, Alberta  
Canada T2E 7A7

Telephone: (403) 250-3800  
Facsimile: (403) 250-9635  
Contact: Leo C. Perry, Vice  
President, Marketing

Gentronics Petroleum Services Limited provides engineering consulting and engineering design services to the oil and gas industry. With its experienced staff of petroleum engineers and its association with Genco Pressure Control Limited, the company provides complete reservoir modelling and well testing services. In conjunction with their engineering services, Gentronics offers a complete range of Quartz Crystal Electronic surface, subsurface pressure and temperature measurement instrumentation.

## Geonautics Limited

P.O. Box 8143, 34 Glencoe Drive  
St. John's, Newfoundland  
Canada A1B 3M9

Telephone: (709) 364-6015  
Facsimile: (709) 364-3550  
Telex: 016-4596  
Answer Back: nordco  
Contact: G.J. Hodgson, General  
Manager

Geonautics Limited provides a fully integrated offshore survey service and has many years of experience in marine logistics and high resolution geophysical services. Their capabilities are directed at the definition of seabed and shallow geologic conditions pertinent to engineering concerns. Surveys utilizing echo sounder, sidescan sonar, sub-bottom profiler and multichannel high resolution seismic are conducted for drill site geohazards, production site investigations, power cable and pipeline routing and regional geological studies. The company's expertise has been developed offshore of Eastern Canada where more than 60 drill sites, three production sites and four pipeline routes have been surveyed.

## Geopetrol Marketing & Distributing Ltd., North-Tech Environmental Division

6029 - 103A Street  
Edmonton, Alberta  
Canada T6H 2J7

Telephone: (403) 434-9431  
Facsimile: (403) 438-6984  
Telex: 037-42552

Contact: *Louis Galick, General  
Manager*

North-Tech Environmental Division of Geopetrol Marketing and Distributing Ltd. provides environmental products and services. Their spill recovery products include oil sorbents—polypropylene, biosorb biodegradable oil sorbent; storage units, containment booms, skimmer, portable tanks, pumps, hoses and fittings. The company also provides spill clean-up and recovery services, and training services.

## Geophysics GPR International Inc.

2545, rue Delorimier  
Longueuil, Quebec  
Canada J4K 3P7

Telephone: (514) 679-2400  
Facsimile: (514) 521-4128  
Telex: 055-60495

Contact: *Michel Gariépy, Vice  
President, Research and  
Development*

Geophysics GPR International Inc. is a consulting engineering firm, specializing in geophysics, geology, data interpretation and specialized training. The company concentrates on mineral and oil exploration, drilling programs, site evaluation, large civil engineering works, underwater reconnaissance, hydrogeology, vibration and blasting control, environmental protection, technology transfer, and staff training. GPR's instruments are technologically advanced, precise, lightweight and adaptable, and allow their staff to perform the work required in remote sites.

## George E. Failing Supply Company

12720 - 149th Street  
Edmonton, Alberta  
Canada T5V 1B3

Telephone: (403) 447-1485  
Facsimile: (403) 447-1739  
Telex: 037 2410

Answer Back: *gefsc*

The George E. Failing Supply Company was established in 1949 and currently serves the oil, gas, mineral exploration waterwell and environment industries. The company manufactures a complete line of drilling and well servicing rigs, as well as allied operating equipment, including servo hydraulic vibrator units, water well casing, steel and P.V.C. plastics and allied supply items, and *Failing* conventional slant drilling and well servicing rigs. The *Failing* conventional slant drilling and well servicing equipment provides a new concept of allowing the option of drilling vertical, as well as slant wells to 45° in 1½° increments and depth capacity to 7 500 ft. This system is beneficial in areas where pad drilling projects are required. Its equipment has been exported to China, Saudi Arabia, U.S.S.R., Venezuela and Turkey.

## Geotechnical Resources Ltd.

4500 - 5th Street N.E.  
Calgary, Alberta  
Canada T2E 7C3

Telephone: (403) 230-4000  
Facsimile: (403) 230-4370  
Telex: 03-821172

Answer Back: *cgy*  
Contact: *Arne Matiisen, Chairman*

Geotechnical Resources Ltd. offers the complete range of services required to efficiently explore, develop and produce petroleum resources. The company has provided laboratory services, laboratory equipment and consulting services for clients worldwide. Geotechnical offers its clients an integrated source for complete formation and reservoir evaluation for computer modelling of any reservoir for producing condition or EOR methodology. All aspects of Geotechnical's operations and business are supported by a services group. Standard services for core, petrology, fluids and gases are complemented by a full range of PVT, special core analysis, core

displacement and reservoir simulation services. In providing these services, the company can integrate the analysis results to provide cost effective, continuous control of sophisticated, multiphase laboratory programs.

## Global Thermoelectric Inc.

333 - 50th Avenue S.E.  
Calgary, Alberta  
Canada T2G 2B3

Telephone: (403) 253-3552  
Facsimile: (403) 253-4607  
Telex: 038-24680

Answer Back: *global teg cgy*  
Contact: *William Lancaster,  
President*

Global Thermoelectric Inc. manufactures remote power and stationary and portable thermoelectric DC generating systems (20 - 5 000 W). It also provides engineering and complete mechanical services, specializing in stainless steel, inconel, aluminum and hastelloy, sheet metal working and light alloy welding. Their generators are used in 47 countries.

## GN Corporations Inc.

6, 4312 Ogden Road S.E.  
Calgary, Alberta  
Canada T2G 4V3

Telephone: (403) 290-1720  
Facsimile: (403) 265-2851

Contact: *Ambrose Chun, Vice  
President, Marketing and  
Sales*

GN Corporations Inc. has served the international oil and gas industry for 25 years as a precision manufacturer of high-pressure oil field equipment, wireline equipment and trucks, and downhole tools. GN's general line of oil field equipment includes low and high-pressure unions, connections, flanges, treating irons/flowlines, check valves, ball injectors/ball guns, tree savers designed to protect the wellhead from high-pressure and corrosive or abrasive fluids, a complete line of manual and hydraulic wireline BOPs, stuffing boxes, lubricator risers, wireline tools and completion equipment.

## Gris Gun Manufacturing Ltd.

R.R.1  
Red Deer, Alberta  
Canada T4N 5E1

Telephone: (403) 340-1017  
Facsimile: (403) 340-1018  
Contact: Delton Campbell,  
President

Gris Gun Manufacturing Ltd. was founded in 1979 to serve the completions and work over sector of the oil and gas industry. Gris Gun pioneered the development of the expendable perforating gun and introduced the first large expendable gun to the oil industry. Since then, large expendable guns have steadily grown in popularity as an efficient completions tool. The tubular charge loading strip was another invention of Gris Gun. These products are known for their performance successes in some of the world's toughest downhole conditions.

## Hall Compressors Canada Limited

4604 Manitoba Road S.E.  
Calgary, Alberta  
Canada T2G 4B8

Telephone: (403) 287-0526  
Facsimile: (403) 243-3155  
Contact: A.F. Moon, President and  
General Manager

Hall Compressors Canada Limited offers a line of balanced-opposed, reciprocating, 2 throw, 75 to 1 200 HP, 600 to 1 800 rpm compressors for gas applications. The unique drive-through crankshaft provides the customer with the ability to add or delete throws with a minimum amount of cost and time. Factory parts are available from a very substantial inventory, and service is available through factory authorized personnel. The Hall compressor is currently in use throughout the U.S. and Canada. Its applications include vapour recovery, pipeline boosters, gas injection and landfill gas for cogeneration. These units may be engine or electric motor driven.

## Hangwell Coil Tubing Services Ltd.

104, 3750 - 19th Street N.E.  
Calgary, Alberta  
Canada T2E 6V2

Telephone: (403) 250-8004  
Facsimile: (403) 291-5408  
Contact: Fred Jagert, President

Hangwell Coil Tubing Services Ltd. was founded in 1988 to meet a growing demand for coil tubing wellhead hangers, accessories and parts. This system was designed specifically as a safe and economical way to perform tasks never before challenged—landing and retrieving continuous tubing in a well under pressure. Hangwell is an engineering, manufacturing and service company for all types of coil tubing wellheads and accessories.

## Hardy BBT Limited

219 - 18th Street S.E.  
Calgary, Alberta  
Canada T2E 6J5

Telephone: (403) 248-4331  
Facsimile: (403) 248-2188  
Contact: Brian E.W. Dowse, Senior  
Vice President

Hardy BBT Limited provides specialized engineering and environmental services to the oil and gas industry. With more than 450 staff and 20 office locations, the company has completed more than 10 000 assignments in its 40 years of service. The company provides professional testing services at every stage of an oil and gas project. Its specialties include pipeline corridor location studies and feasibility studies. The company is normally involved in a project from the site selection stage through to the quality assurance stage. Clean-up of past oil and gas sites is an area of expanding expertise.

## Henderson, Barwick Inc.

176, rue Peel  
Montreal, Quebec  
Canada H3C 2G7

Telephone: (514) 935-4623  
Facsimile: (514) 935-2553  
Contact: Robert A. Monet, Senior  
Vice President

Henderson, Barwick Inc. operates two fully equipped production facilities. Its machine shop performs the precision machine operations required in the manufacture of heat exchangers, pressure vessel and valve components, including lathes, boring mills, milling machines and radial arm drills. It also manufactures a complete range of light wall, stainless steel pipe and fittings, including smooth flow elbows, tees, reducers, Vanstone Rings and backup flanges.

## Hi-Point Industries Ltd.

P.O. Box 2535, Station M  
Calgary, Alberta  
Canada T2P 2N6

Telephone: (403) 290-6650  
Facsimile: (403) 290-7751  
Telex: 038-21503  
Answer Back: nova cgy  
Contact: S. Ho Lem, President and  
Secretary

Hi-Point Industries Ltd. was incorporated in 1983 and manufactures peat-based oil absorbent products in particulate form (OCLANSORB) and tubular sock form (SORB-SOX). OCLANSORB is non-toxic, offers instant absorption, containment and retention; absorbs oil (not water); meets Canadian and U.S. leachate standards and is 15 times more effective than clay. SORB-SOX are ideal for industrial and in-plant use and are ten times more effective than the leading corn husk absorbent socks. Their products are being used by fire departments, airlines, emergency response teams, transportation companies, armed forces, hazardous materials management consultants, oil refineries, and many industrial companies. These products are exported to the U.S., U.K., Western Europe and Australia. Agents represent the products in all major European countries and the Middle East.

## Hobic Oil Bit Industries Corp.

260, 11791 Hammersmith Way  
Richmond, British Columbia  
Canada V7A 5C6

Telephone: (604) 241-0086  
Facsimile: (604) 241-0087  
Contact: John Panusa, General  
Manager

Hobic Oil Bit Industries Corp., established in 1986, manufactures diamond core and drill bits in diameters to 12.25 inches. Hobic bits have been sold throughout Canada, the U.S. and Australia.

### Hooper Welding Enterprises Limited

1390 Advance Road  
Oakville, Ontario  
Canada L6L 6L6

Telephone: (416) 827-2600  
Facsimile: (416) 827-1600  
Contact: Jim Wright, Sales Manager

Hooper Welding Enterprises Limited specialize in pressure vessels, storage tanks, and structural fabrication. Hooper has the technology to provide quality welding using a variety of carbon steels, stainless steels and many exotic materials. They offer over 25 welding procedures and guarantee the appropriate process for the job. The company has a staff of 40 professionals and employs in-house design and engineering capabilities. Hooper serves clients in the U.S., South America and Asia.

### Hutchinson Body, Mudguard and Radiator Works Ltd.

20 Alness Street  
North York, Ontario  
Canada M3J 3H4

Telephone: (416) 661-9330  
Facsimile: (416) 661-9165  
Contact: Norman F. Hutchinson,  
President

Hutchinson Body, Mudguard and Radiator Works Ltd., established in 1918, is a major Canadian manufacturer of custom built tankers for the Canadian and U.S. markets. Available in lengths to 48 ft. and with up to five axles, these tankers can be built in steel, stainless steel or aluminum.

### Hycal Energy Research Laboratories Ltd.

1338A - 36th Avenue N.E.  
Calgary, Alberta  
Canada T2E 6T6

Telephone: (403) 250-5800  
Facsimile: (403) 291-0481  
Telex: 03-821172  
Contact: Douglas W. Bennion,  
President

Hycal Energy Research Laboratories Ltd. performs applied research and provides consulting services to the petroleum industry in the area of reservoir engineering, production engineering, and enhanced recovery. The company's engineers have substantial experience in miscible flooding, heavy oil recovery, simulation and all other areas of reservoir and production engineering. It has research facilities, engineering consulting specialists, and a complete set of mathematical simulators. Hycal has performed work for over 70 companies in Canada, the U.S., Europe, Asia, Africa and South America. It has provided design data and developed processes for a number of pilots and reservoirs in Canada, the U.S., China, Madagascar, Turkey and Peru.

### Hyprotech Ltd.

400, 119 - 14th Street N.W.  
Calgary, Alberta  
Canada T2N 1Z6

Telephone: (403) 283-7710  
Facsimile: (403) 283-4764  
Telex: 03-821172  
Contact: Tony Vysniauskas,  
Principal and Director

Incorporated in 1976, Hyprotech Ltd. has grown to become an internationally recognized company, specializing in consulting, engineering, and computer software services to all sectors of the energy industry. Hyprotech is the author of the HYSIM flowsheet simulation program. It was designed for the gas processing, oil refining, petrochemicals, chemicals, and synthetic fuel industries. HYSIM is a complete and comprehensive flowsheet simulator, designed for steady-state simulation of gas processing, oil refining, petrochemical, chemical and synthetic fuels facilities. This proven mainframe simulation package has been converted to microcomputer technology. The

microcomputer version is identical to the mainframe version, but has the advantages of a user-dedicated environment and extensive graphics.

### I.M.W. Industries Ltd.

45831 Hocking Avenue  
Chilliwack, British Columbia  
Canada V2P 1B5

Telephone: (604) 795-9491  
Facsimile: (604) 792-3806  
Contact: Fred J. Feistmann, Vice  
President

I.M.W. Industries Ltd., established in 1958, is a world leader in the manufacture of cold roll forming equipment and related machinery. In 1985, a subsidiary company was formed to manufacture dedicated natural gas compressor and dispensing equipment for vehicular applications. The robust radial throw compressors feature capacities to 400 scfm and discharge pressures to 4 000 psig. The equipment is very versatile—can be adapted easily to different well or line conditions, is water-cooled, has a low rpm and non-lubricated cylinders. The company has supplied compression equipment for urban transit bus fleet fuelling facilities in The Netherlands and Colombia, and is currently designing the equipment for the B.C. Transit bus project in Vancouver, Canada.

### I.P. Constructors Ltd.

5430 - 30th Street S.E.  
Calgary, Alberta  
Canada T2C 1G2

Telephone: (403) 279-7553  
Facsimile: (403) 279-3635  
Telex: 03-821154  
Answer Back: ip constrs cgy  
Contact: Clint Elgar, Export Director

I.P. Constructors Ltd., incorporated in 1976, is an engineering company and serves a broad range of clients throughout the world in the oil and gas, industrial process and resource industries. The company's services include engineering and detailed design; equipment manufacturing and assembly of piping; and structural, electrical and instrumentation materials and equipment for modular process equipment packages and facilities. It also custom manufactures pressure vessels, pipeline pigging equipment, process vessels, water treatment and injection equipment.

## ICI Construction Economists of America, Inc.

64 Guided Court  
Rexdale, Ontario  
Canada M9V 4K6

Telephone: (416) 743-4854  
Facsimile: (416) 743-5936  
Contact: Norman H. Matthews,  
President

ICI Construction Economists of America, Inc. is a Canadian company that provides construction cost consulting and quantity surveying throughout North America. The firm's services include construction cost consulting and analysis, quantity surveying, construction litigation support services, mortgage monitoring/payment certification services for lending institutions, scrutiny of change orders on large projects, tender support services, 'expert witness' in construction litigation, and project management.

## Imperial Rubber Co. Ltd., Girard Polly-Pig Canada Division

P.O. Box 139  
Nisku, Alberta  
Canada T0C 2G0

Telephone: (403) 955-8780  
Facsimile: (403) 955-8921  
Contact: Garry Farr, Sales Manager

Imperial Rubber Co. Ltd. has been manufacturing and marketing rubber and urethane products for the well servicing and pipeline industries for 10 years. These products include rubber and urethane cement plugs, wooden cement plugs, conveyor idler discs, bridge pads, inflatable packers, packer elements, seals, *Maxi-Cup* pigs, *Maxi-Discs* pipeline pigs, and custom moulded polyurethane and rubber products. The company's Girard Polly Pig Canada Division manufactures *Polly Pigs* in sizes ranging from 2 to 56 inches. Their internal pipeline cleaners are made of the highest quality polyurethane flexible foam and with a variety of polyurethane rubber coating and abrasives for dryers, wipers and scrapers; these can negotiate 90 degree elbows.

## Import Tool Corporation, Ltd.

440, 910 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3N8

Telephone: (403) 261-3032  
Facsimile: (403) 263-4955  
Contact: Robert K. MacLeod,  
President

As a service supply and manufacturing company, Import Tool Corporation, Ltd. (ITC) has been servicing industry since 1952. It has developed cementing tools, including the *ITC Casing Swivel* (to allow for rotation of casing in the tension above a stage cementing collar). This product is available for world markets and is manufactured in 4.5, 5.5, 7 and 9 % in. sizes. It is used by many operators, including Esso, Mobil and Shell.

## Integra Casting Inc.

1333 Chevrier Boulevard  
Winnipeg, Manitoba  
Canada R3T 1Y4

Telephone: (204) 453-6833  
Facsimile: (204) 453-3803  
Contact: H.H. Roeder, Manager,  
Specialty Engineering

Integra Castings Inc. is a major producer of oil pumping unit castings. The castings weigh from ounces to 5 000 lb. in various grades of ductile and grey iron, using green sand and no-bake molding processes. The company's markets include Canada and the U.S.

## Indutech Canada Limited

5210 - 54th Avenue S.E.  
Calgary, Alberta  
Canada T2C 2V8

Telephone: (403) 279-2222  
Facsimile: (403) 236-1522  
Contact: Derek J. Wolstenholme,  
President

Indutech Canada Limited exports to three continents and offers extensive expertise in the field of induction heating and the quenching of steel. The company has developed and applied this technology to pipe bending procedures and the production of an abrasion resistant steel pipe—offers all of the advantages of normal carbon steel

plus excellent resistance to abrasion. Indutech also manufactures *NASPipe*—abrasion resistant steel pipe that is produced by induction heating and controlled quenching. A complete piping system, including bends and fittings, is available. *NASPipe* has proven to be an economic investment in applications where piping systems have required frequent rotation and replacement. The ability to ultrasonically monitor wear enables the operator to schedule maintenance and avoid potential environmental damage.

## INTERA Information Technologies Corporation

2500, 101 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3P4

Telephone: (403) 266-0900  
Facsimile: (403) 265-0499  
Telex: 03-824537  
Contact: Marc C. Wride, Vice  
President, Marketing

INTERA Information Technologies Corporation provides data collection, data processing and data interpretation products and services to petroleum and resource companies and governments worldwide. Through the efforts of 500 people in three business units, the company is a leading provider of these technologies in two principal business segments—petroleum and resource management and mapping reconnaissance—to a broad base of customers in approximately 85 countries. The company's U.K. business unit supplies engineering software, exploration data products, and consultancy services to the petroleum industry. The Canadian-based business units specialize in providing remote sensing data products, such as radar image maps from proprietary STAR systems, magnetic maps from airborne geophysical equipment and the reproduction of infra-red and photographic products from aerial survey systems. *STAR-MAP*, a new process which is close to developmental completion, produces topographic radar images at scales of 1:50 000 and 1:10 000, with contour overlays and associated digital elevation models (DEMs).



## Intercomp Resource Development & Engineering Ltd.

1000, 840 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G2

Telephone: (403) 265-6550

Facsimile: (403) 266-5202

Telex: 03-824857

Answer Back: ssi cgy

Contact: Peter Stanton, President

Intercomp Resource Development & Engineering Ltd. offers fully integrated consulting services to the upstream petroleum industry. Its services cover the disciplines of geology/petrophysics, reservoir engineering, production/facilities engineering and pipeline engineering. Engineering studies have been conducted worldwide and cover the complete range of services from relatively routine pool reserves evaluations to complex studies involving full field development plans for implementation of enhanced oil recovery schemes, such as hydrocarbon solvent floods or in situ combustion projects. The engineering consulting services are supplemented by formal training programs in reservoir computer simulation, as well as application training for our clients. A full spectrum of petroleum engineering software products are also available which complement the various consulting disciplines.

## International Cooling Tower Inc.

3310 - 93rd Street  
Edmonton, Alberta  
Canada T6N 1C7

Telephone: (403) 469-4900

Facsimile: (403) 469-5858

Contact: Larry Johnston, General Manager

International Cooling Tower Inc. has provided design, site and application engineering, equipment supply, maintenance, inspection, repair and upgrade on industrial cooling towers for more than 30 years. The company employs 75 people and owns a modern engineering and parts supply facility. The company sells and erects new cooling towers in Western Canada, ranging in size from 500 to 28 000 gal./min. per cell capacity. The company has gained invaluable experience in cold

weather application and operation of cooling towers. In addition, the company repairs, services, tests and upgrades all makes of cooling towers, and maintains the largest stock of cooling tower components in Canada. The company serves the Western Canadian and U.S. markets. Its services are available on a worldwide basis.

## International Hard Suits Inc.

1174 Welch Street  
North Vancouver, British Columbia  
Canada V7P 1B2

Telephone: (604) 986-5600

Facsimile: (604) 986-7125

Contact: J. Scott Morrison, Sales Manager

International Hard Suits Inc. was formed in 1986 to produce the *NEWTSUIT*—an atmospheric diving suit. Beginning with the development of a pressure balanced rotary joint, a deep sea diving suit was designed around the joint. The *NEWTSUIT* allows for deep diving capabilities to 1 000 ft. at a fraction of the cost of alternative methods; eliminates all of the problems of decompression while allowing excellent mobility on the sea floor; can be operated with a crew of four; is easily aircraft transportable and requires very little deck space. A thruster pack for mid-water work has been developed which allows the *NEWTSUIT* to be used for surveys, inspections and production platform maintenance.

## International Pipeline Engineering Limited

450 Midwest Road  
Scarborough, Ontario  
Canada M1P 3A9

Telephone: (416) 288-0896

Facsimile: (416) 288-1416

Contact: Fraser Farmer, Manager, Marketing

International Pipeline Engineering Limited (Pipetronix) is a subsidiary of TransCanada Pipelines Limited. TransCanada has owned and operated one of the world's largest natural gas transmission systems for more than 25 years. Pipetronix makes TransCanada's expertise in the natural gas industry available to pipeline owners and operators, as well as to governments

involved in the natural gas industry. One of the major services offered is the inspection of oil and gas pipeline products to detect metal loss, dents and other pipeline defects. This service, using magnetic flux inspection tools, is provided worldwide.

## International Radiography and Inspection Services (1976) Ltd.

5908 - 96th Street  
Edmonton, Alberta  
Canada T6E 3G3

Telephone: (403) 437-2022

Facsimile: (403) 436-4873

Contact: Bob Taylor, Manager, Marketing and Sales

International Radiography and Inspection Services (1976) Ltd. is a non-destructive and visual inspection service company. Established in 1953, the company conducts training courses and seminars for its staff and clients. The Non-destructive Testing Division's services include radiographic inspection, ultrasonic inspection, magnetic particle inspection, liquid penetrant inspection, eddy current inspection, positive material identification, infra-red heat survey, hardness testing, and videoprobe inspection.

The Quality Control/Quality Assurance Division offers testing and checking materials, welding inspection, dimensional checking, shop inspection, witnessing of performance tests, packing and marking inspection, progress reporting, expediting, quality assurance, pipe inspection, and welder and operator performance tests (A.B.B. approved).

## IPSCO Inc.

P.O. Box 1670  
Regina, Saskatchewan  
Canada S4P 3C7

Telephone: (306) 949-3530

Facsimile: (306) 949-3500

IPSCO Inc. is a major Canadian steelmaker with plants throughout Western Canada and the U.S. IPSCO manufactures a diverse range of steel and steel products, including structural sections and pipe. The company's markets are primarily in North America and Asia.

## Iron Horse Compression Ltd.

9852 - 33rd Avenue  
Edmonton, Alberta  
Canada T6N 1C6

Telephone: (403) 462-6847  
Facsimile: (403) 450-0124  
Contact: Gordon J. Sheward,  
Director

Iron Horse Compression Ltd. manufactures a low-maintenance, very efficient beam mounted gas compressor which is operated by the walking beam of a pump jack. The compressor is used to enhance oil recovery from older wells with lower bottom hole pressure and high casing pressure. It is non-lubricated, manufactured in accordance with API 618 and ASME VIII, and operates efficiently in temperatures ranging from -40° C to +50° C. Return on investment is often achieved in less than two months. The units can enable existing pump jacks, powered by LPG to be converted to solution gas as a fuel. It also manufactures a natural gas desiccant dehydrator. With no moving parts, this single tower unit produces maximum dew point depression and operates well with natural gas inlet temperatures of 20° C and lower.

## Isko Heat Exchangers Ltd.

2700, rue De Miniac,  
St-Laurent, Quebec  
Canada H4S 1K9

Telephone: (514) 337-5192  
Facsimile: (514) 337-5482  
Contact: Ishy Khan, President

Isko Heat Exchangers Ltd. designs and manufactures customized shell and tube heat exchangers for the petrochemical, gas and other industries. The exchangers are designed to meet ASME, TEMA, CSA and other international codes.

## Island Sandblasting (1987) Ltd.

P.O. Box 2561  
Charlottetown, Prince Edward Island  
Canada C1A 8C2

Telephone: (902) 569-4400  
Facsimile: (902) 569-4400  
Contact: Neil A. Shaw, President

Island Sandblasting (1987) Ltd. performs sandblasting, waterblasting, coating applications, structural painting, glass beading, and storage tank lining. It has worked in plant shutdown conditions, oil refineries, and on marine vessels and pipeline docks.

## ITT Canon Canada Limited

Four Cannon Court  
Whitby, Ontario  
Canada L1N 5V8

Telephone: (416) 668-8881  
Facsimile: (416) 668-4152  
Telex: 06-981357  
Contact: Donald McCool, Product  
Manager

ITT Cannon Canada Limited is a major supplier of specialized electrical and fibre optic interconnect devices to the oil and gas industry. The company continues to refine and improve hostile environment interconnect devices for exploration, offshore and drilling applications. A leader in geophysical exploration, the company developed metallized ceramic technology for use in single pin feed-thrust and high temperature/high-pressure, hermetically sealed, multipin connector; this increased reliability and performance to unprecedented levels. Towed array couplers were developed for use in offshore applications; these couplers reduced weight and overall size and allowed for increased quantities of information to be processed.

## ITT Industries of Canada Ltd., ITT Barton Instruments

3840 - 11A Street N.E.  
Calgary, Alberta  
Canada T2E 6M6

Telephone: (403) 291-4814  
Facsimile: (403) 291-0060  
Telex: 038-21536  
Contact: Joseph Incontri, General  
Sales Manager

ITT Barton Instruments, a division of ITT Industries of Canada Ltd., is engaged in the design, manufacture, sale and service of process instruments for worldwide markets. The company provides mechanical, electromechanical, and electronic

instrumentation that sense, monitor, compute, record and control various conditions of liquids and gases. This instrumentation is used to measure variables such as flow, level, differential pressure, density, corrosion and other physical and chemical properties of fluids.

## Jacques, Whitford Group Ltd.

3 Spectacle Lake Drive  
Dartmouth, Nova Scotia  
Canada B3B 1W8

Telephone: (902) 468-7777  
Facsimile: (902) 468-9009  
Contact: David V. Fanning, Director,  
Marketing

Jacques, Whitford Group Ltd. is an Eastern Canada-based engineering group, established in 1972, and offering a comprehensive range of geotechnical, hydrogeological, environmental, materials and mining engineering, petroleum services, and other related consulting services to clients in industry and government. The company's 250 professional staff provide geotechnical investigations, foundation and earthwork design, offshore geotechnical investigations, materials testing/inspection—CSA, ASTM, materials research, geomechanics, rock mechanics, subsidence evaluations, ice/Arctic engineering, environmental impact studies, environmental audits, contaminant investigation and remediation, waste management, hydrogeology, water resource assessment, underground storage tank assessment, general site assessments, archaeological assessments, and agricultural engineering.

## Jacques/McClelland Geosciences Inc.

3 Spectacle Lake Drive  
Dartmouth, Nova Scotia  
Canada B3B 1W8

Telephone: (902) 468-7777  
Facsimile: (902) 468-9009  
Contact: David V. Fanning, Director,  
Marketing

Jacques/McClelland Geosciences Inc. was founded in 1980 to provide offshore geotechnical and geophysical services for hydrocarbon exploration on Canada's East Coast. The firm is backed nationally by the complete engineering and environmental

services of the Jacques, Whitford Group and internationally by their affiliation with Fugro-McClelland BV. The company provides mobilization of specialized drill ships with geotechnical sampling and in situ testing capability, on-board geotechnical laboratory testing, onshore advanced laboratory testing, detailed characterization of sub-seabed geotechnical conditions, analysis of bearing capacity and deformations of gravity-based structures, piles and other structures founded on or below the seafloor, and geophysical and geotechnical services related to marine pipelines and cables. Their clients include national and international companies involved in offshore hydrocarbon exploration and production of marine cables and pipelines.

### John T. Hepburn, Limited

7450 Torbram Road  
Mississauga, Ontario  
Canada L4T 1G9

Telephone: (416) 671-2200

Facsimile: (416) 671-0499

Telex: 06-968793

Answer Back: *jtheburn msga*

Contact: Ray Pillon, Vice President,  
Sales and Marketing

John T. Hepburn, Limited designs and manufactures machinery and equipment for the offshore oil industry (semi-submersible oil rigs and drill ships). Its products include mooring winches, windlasses and fairleaders which are capable of handling any size of wire rope and chain. With its combination traction winch/windlass for efficient handling of combination wire rope and chain mooring lines, Hepburn is a world leader in deep water mooring technology. The company also manufactures special cranes, including hydraulic BOP cranes for the positioning and servicing of blow-out preventer stacks and pipe handling cranes. Hepburn's Underway Replenishment Systems are available for vessels to offshore oil rig transfer.

### Kilborn Inc.

2200 Lake Shore Boulevard West  
Toronto, Ontario  
Canada M8V 1A4

Telephone: (416) 252-5311

Facsimile: (416) 231-5356

Contact: L. Blake, Manager,  
Business Development

Kilborn Inc. serves the oil refining, gas, chemicals, petrochemicals, manufacturing and minerals industries in Canada and abroad. Its services include process design, feasibility studies, cost estimates, detailed design, procurement and construction management. Recent projects and studies have been conducted in the areas of oil refinery process units, utilities and revamps; oil refinery waste management; environmental studies and installation of facilities; plastics compounding and extrusion; polymer chemicals; oil sands and heavy oil upgrading; and plant instrumentation upgrades and replacement. Established in 1947, Kilborn has provided services for more than 1 000 projects worldwide.

### King Equipment Manufacturing Corp.

1401 Dundas Street  
Woodstock, Ontario  
Canada N4S 7Z3

Telephone: (519) 539-6111

Facsimile: (519) 539-3860

Contact: Ron Ferrell, International  
Sales Manager

King Equipment Manufacturing Corp. is a manufacturer and distributor of dependable utility and transportation equipment and is dedicated to an immediate response service. The company will analyze customer requirements and engineer a solution which will provide a cost-effective answer to customers' specific problems. Its broad trailer equipment is used for the transportation of a wide variety of payload. The company's trailer equipment includes pneumatic and liquid tanker trailers and low-bed trailers, ranging from 35 to 100 t. Its utility equipment includes digger derricks to 48 000 lb. capacity, stiff boom cranes to 44 000 lb. capacity, material handling aerial devices to 85 ft., truck mounted winches, and hydraulic tools.

### Koch Engineering Company Limited

4750 Sheppard Avenue East  
Agincourt, Ontario  
Canada M1S 3V7

Telephone: (416) 293-3666

Facsimile: (416) 293-6409

Contact: W. Peter Barker, Executive  
Vice President

Koch Engineering Company Limited is engaged in the design and manufacture of heat exchangers, including shell and tube type, plate and frame type, and hairpin double pipe/multitube type. Its principal markets are in the oil, chemical, natural gas, petrochemical and electrical power generation markets. The company has exported more than 1 000 exchangers to numerous countries worldwide.

### Kubota Metal Corporation, Fahramet Division

25 Commerce Road  
Orillia, Ontario  
Canada L3V 6L6

Telephone: (705) 325-2781

Facsimile: (705) 325-5887

Telex: 06-875587

Answer Back: FAHRAMET  
ORIL

Contact: Allan Gillespie, Vice  
President, Marketing and  
Sales

Kubota Metal Corporation is a custom steel foundry with centrifugal and static casting capabilities. Its facilities include complete non-destructive testing, machine shop and fabrication capabilities. Castings are produced in heat resistant, corrosion resistant alloys, as well as carbon and low alloy steels. For the oil and gas industry, Kubota produces bi-metallic tubing and manifolds, reformer tubes, pyrolysis coils, tube sheets and tube supports, and valve and pump bodies. The company serves most world markets.

## Kudu Industries Inc.

5915 - 36th Street S.E.  
Calgary, Alberta  
Canada T2C 2J1

Telephone: (403) 279-5838  
Facsimile: (403) 279-2192  
Contact: Robert A.R. Mills,  
President

Kudu Industries Inc. supplies a wide range of progressing cavity oil well pumps. It also manufactures the drive systems which may be powered electrically, hydraulically, or with internal combustion engines. Kudu is a leading manufacturer and supplier in Canada. The senior principal of Kudu Industries has worked in the development of the progressing cavity (Moineau) pumps technology since 1978. Progressing cavity pumps feature the lowest capital cost and lowest operating expense for pump volumes to 2 500 bbls/day (400 m<sup>3</sup>/day) with pumping fluid levels down to 6 600 ft. (2 000 m). These pumps will also pump heavy crude with high sand content which cannot be pumped by any other means.

## Labsoft Inc.

803 Maitland Street  
London, Ontario  
Canada N5Y 2W6

Telephone: (519) 667-2041  
Facsimile: (519) 667-2042  
Contact: Stuart Bevan, President

Labsoft Inc. produces sophisticated control devices for the oil industry. Based on many years of industrial control experience, the devices employ the latest computer technology to enhance oil well productivity. Utilizing the most advanced microchip technology, the company's range of intelligent controllers meet the most exacting production demands. Their *Optimizer* series of products include an advanced sensing device with no moving parts, control software with adaptive capabilities, and all necessary components for easy installation and maintenance. The products are rugged and can be easily installed by field personnel. The devices are user friendly, easy to maintain, withstand environmental extremes, increase production, enhance efficiency, and decrease maintenance costs.

## Lambton College—Fire, Safety and Environmental Division

P.O. Box 969, 1457 London Road  
Sarnia, Ontario  
Canada N7T 7K4

Telephone: (519) 542-7751  
Facsimile: (519) 332-6583  
Contact: L. Sandra Carlton,  
Industrial Training  
Consultant

Lambton College provides training to commercial, industrial, marine and defence clients worldwide. Training is available in industrial fire fighting, spill response and control, marine safety, management of emergencies, fire ground commander, transportation of dangerous goods (TDG), emergency response (basic and advanced), TDG regulations, gas testing and confined space entry/rescue, and automotive and general industry fire fighting. In addition to the scheduled training, the college will conduct training at clients' locations.

## Lantec Industries Inc.

5827 Production Way  
Langley, British Columbia  
Canada V3A 4N5

Telephone: (604) 530-0737  
Facsimile: (604) 530-0737  
Contact: K.A. McIntyre, Vice  
President, Marketing

Lantec Industries Inc., founded in 1969, serves numerous industries, including oil and gas (exploration, production, servicing and pipe laying). The company's primary products are hydraulically-driven winches, hoists and drives. With 19 years' experience in this field, Lantec will custom build a product to meet exact performance requirements. Manufacturing consists of a full range of production machinery, including turning, boring, milling, drilling and gear cutting. Other manufacturing operations include fabricating, assembly, testing and painting. Lantec utilizes basic proven components and the latest in manufacturing techniques.

## Lift Systems International Ltd.

P.O. Box 1089  
Battleford, Saskatchewan  
Canada S0M 0E0

Telephone: (306) 937-7766  
Facsimile: (306) 937-2257  
Contact: Larry Gabruch, Vice  
President and General  
Manager

Lift Systems International Ltd. (LSI) has established itself as one of Canada's major producers of oil field pumping units and has more than 2 000 units currently operating in North America. Its pumping units are based on a proven design technology and have a history of success in demanding heavy oil applications and severe North American climates.

## Lister Industries Ltd.

7410 - 68th Avenue  
Edmonton, Alberta  
Canada T6B 0A1

Telephone: (403) 468-2040  
Facsimile: (403) 469-0383  
Contact: Don Rowland, President

Lister Industries Ltd., established in 1988, manufactures auxiliary oil field equipment. The company's snow melters feature a 1 500 barrels/day capacity and can also be used for oil spill clean-up. The *Lister Rig Mats* are support pads for rigs and were originally designed for the Tundra. Lister also manufactures air heaters which are designed to augment the steam heat of the boilers. The company's equipment is used in most oil producing regions of the world, including Canada, the U.S., the U.S.S.R., and the Middle East.

## Luff Industries Ltd.

3528 - 80th Avenue S.E.  
Calgary, Alberta  
Canada T2C 1J3

Telephone: (403) 279-3555  
Facsimile: (403) 279-5709  
Contact: Philip Arnold, Sales  
Representative

Established in 1979, Luff Industries Ltd. has 35 employees and serves the metal fabrication sector. Its Pressure Products Division designs and builds vessels, piping

and SKID packages for the Canadian and U.S. markets.

### Lynx Tool Company Ltd.

406 - 22nd Avenue  
Nisku, Alberta  
Canada T0C 2G0

Telephone: (403) 955-8971  
Facsimile: (403) 955-2373  
Telex: 037-41484  
Contact: Lance Grant, Sales  
Manager

Lynx Tool Company Ltd., originally established in 1977, manufactures downhole drilling tools for the Canadian and U.S. oil industry. These tools include drill collars, heavy-wall drill pipe, reamers, stabilizers, combo tools, subs, and low valves. Lynx' products are available for worldwide markets.

### M & M Manufacturing Ltd. Partnership

61 Estates Road  
Dartmouth, Nova Scotia  
Canada B2Y 4K3

Telephone: (902) 465-7675  
Facsimile: (902) 465-4102  
Contact: Besim Halefoglul, Vice  
President, Commercial and  
Design

M & M Manufacturing Ltd. Partnership, founded in 1980, provides manufacturing services to the offshore sector of every continent. It provides customized high quality steel and alloy products to the industrial, offshore and defence sectors. The company also provides refit, upgrade and maintenance services. Its products include offshore structures, decks, modules and pallets, pressure vessels, high-pressure piping and furnaces.

### MacDonald Engineering Group Ltd.

600, 1177 - 11th Avenue S.W.  
Calgary, Alberta  
Canada T2R 1K9

Telephone: (403) 228-3366  
Facsimile: (403) 245-0219  
Telex: 03-827769  
Answer Back: macdeng  
Contact: Michael A.P. Diening, Vice  
President, Business  
Development

MacDonald Engineering Group Ltd., established in 1965, originally specialized in reservoir engineering. Today, the company provides detailed engineering design services for all of the many disciplines in the oil and gas industry. It also operates a construction company in order to provide a complete turnkey package for clients. A full computer hardware and software design and implementation service, utilizing advanced CAD systems, is also provided. The company's services are available worldwide.

### MacLaren Plansearch Limited

200, 5657 Spring Garden Road  
Halifax, Nova Scotia  
Canada B3J 3R4

Telephone: (902) 421-3200  
Facsimile: (902) 425-4464  
Telex: 019-22718  
Answer Back: lavalinhfx  
Contact: S.G.P. Skey, General  
Manager

MacLaren Plansearch Limited provides oceanographic, meteorological, environmental studies, as well as operational and consulting services to industry and government. The combined skills of oceanographers, engineers, scientists, meteorologists, programmers and field technicians provide a range of services from basic research through field studies, data processing, numerical modelling and hindcasting studies, and offshore and coastal environmental support. Some of the numerous projects conducted by the company are oceanographic and meteorological data acquisitions, processing and analysis for several offshore operators on the East Coast, West Coast and Beaufort Sea; investigation of ice motion and wave generated ice conditions; development of

wind and wave climatology and design criteria; wind/wave hindcast studies and site-specific forecasting; offshore software development and implementation; and environmental impact studies.

### Maloney Steel Ltd.

8825 Shepard Road S.E.  
Calgary, Alberta  
Canada T2H 1X1

Telephone: (403) 279-5000  
Facsimile: (403) 279-2068  
Telex: 03-821153  
Answer Back: maloney cgy  
Contact: Don Krusky, Vice  
President, Business  
Development

Maloney Steel Ltd. offers a complete range of design and fabrication services for oil and gas production equipment for worldwide markets. The company specializes in heaters, glycol dehydration units, separators, oil emulsion treaters, gas sweetening units, hydrocarbon recovery units, free water knockouts, coalescers, precipitators and production systems. The company has designed and manufactured some of the largest and most sophisticated oil and gas production and process equipment in the world, operating both onshore and offshore in every oil producing nation.

### Mandarin Oilfield Services Ltd.

326, 510 - 5th Street S.W.  
Calgary, Alberta  
Canada T2P 3S2

Telephone: (403) 265-8987  
Facsimile: (403) 265-6776  
Telex: 063670059  
Contact: Neil Marshall, Chairman of  
the Board

Mandarin Oilfield Services Ltd. has designed and developed its own Inflate Drillstem testing tools. The company can supply both conventional and Inflate Drillstem equipment, as well as drillstem testing services. Their Inflate System utilizes unique pump and release technology. The pump features radial piston action which is simple in design and very reliable. The release system operates on hydraulic action instead of mechanical, and has no moving parts that can

fail—malfunction is virtually impossible. The system is being used in Canada and Asia.

### Marshall Macklin Monaghan Limited

80 Commerce Valley Drive East  
Thornhill, Ontario  
Canada L3T 7N4

Telephone: (416) 882-1100  
Facsimile: (416) 882-0055  
Contact: C.W. Longden, Vice  
President, Corporate  
Development

The Surveying and Mapping Division of Marshall Macklin Monaghan Limited, in operation since 1952, provides the firm's full range of professional surveying and mapping services, including digital mapping and Geographic Information Systems. Its professional and technical staff of 150 includes registered land surveyors, professional engineers, survey technologists and technicians. The company's principal fields of activity are cadastral surveying, geodetic surveying, applied surveying, hydrographic surveying, computations and plotting services, digital mapping and photogrammetric services, geographic information systems, digital terrain modelling, and remote sensing applications.

### Marystown Shipyard Limited

100 New Gower Street, Suite 200  
St. John's, Newfoundland  
Canada A1C 5J9

Telephone: (709) 726-1323  
Facsimile: (709) 279-1408  
Telex: 016-3140  
Answer Back: msl mary  
Contact: Eric Patey, President

Marystown Shipyard Limited is located on the south coast of Newfoundland. The yard is situated at Marystown in Mortier Bay on Newfoundland's Burin Peninsula. The location is strategically close to Atlantic shipping lanes and Canada's east coast oil and gas fields. The deepwater port, one of the world's greatest natural harbours, is ice-free all year. The shipyard is considered to be one of the most experienced shipyards in Canada. The yard has built numerous trawlers, anchor-handling supply vessels/tugs and diving support/supply

vessels for Canadian and European customers.

The company operates an oil rig servicing base for the repair and service of semi-submersible rigs at dockside—equipped for the efficient fabrication, outfitting and erection of the sub-assemblies and assemblies for oil related offshore exploration and production systems. The facility is to be optimized around the requirements of *mechanical outfitting* of gravity based structures with secondary capability in module construction and sub-sea manifold and template construction. The peak employment level has been 700, supported by approximately 120 supervisory, technical and management staff. There are 1 100 tradesmen within the region and available to the company.

### Master Flo Valve Inc.

4910 - 74th Avenue  
Edmonton, Alberta  
Canada T6B 2H6

Telephone: (403) 468-4433  
Facsimile: (403) 469-9853  
Telex: 037-41648  
Contact: Richard Cove, Vice  
President, General  
Manager

Master Flo Valve Inc. is a manufacturer of chokes and valves. In-house engineering staff maintain a high level of quality control and new product development and design. It has a manufacturing facility in Scotland and representation in every continent. The company specializes in flow control and pigging operations. Its worldwide patented production choke is available in a 0.5 to 6 in. body and working pressures ranging to 10 000 psi. The control valve may be obtained in sizes ranging from 0.5 to 4 in. and working pressures ranging to 5 000 psi. Its Pig Ball Valve is available in by-pass and shut-off styles, and working pressures ranging to 1 500 psi.

### Matt's Manufacturing Ltd.

P.O. Box 18, Site 4, R.R.5  
Calgary, Alberta  
Canada T2P 2G6

Telephone: (403) 279-9353  
Facsimile: (403) 236-1535  
Telex: 03-821795  
Answer Back: matts mfg cgy  
Contact: Matt Plesa, President

Established in 1974, Matt's Manufacturing Ltd. is a custom design and manufacturing company which serves the domestic and international community. The company is a major manufacturer of oil field equipment and specializes in wireline logging perforation units. Its products include wireline skid units, vans, hydraulic draw works, self-contained lube vans, hydraulic presses, as well as the company's exclusive custom-designed machinery and equipment. The company also repairs surface and downhole equipment.

### McDaniel & Associates Consultants Ltd.

1200, 800 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G3

Telephone: (403) 262-5506  
Facsimile: (403) 233-2744  
Contact: W.C. Seth, Senior Vice  
President

McDaniel & Associates Consultants Ltd., founded in 1955, provides a wide range of services to the oil and gas industry and, in particular, those aspects relating to reservoir engineering and economic evaluations of petroleum properties. The firm has consulted in all phases of oil and gas reservoir engineering and related economic evaluations and has been retained by both private and public companies, financial institutions and government organizations. Representatives of the firm provide 'expert witness' services in matters related to the oil and gas industry in Canada and the U.S.

## McElhanney Geosurveys Ltd.

100 - 780 Beatty Street  
Vancouver, British Columbia  
Canada V6B 2M1

Telephone: (604) 683-8521  
Facsimile: (604) 683-4350  
Telex: 04-51474  
Contact: Donald B. Thomson, Vice President

McElhanney Geosurveys Ltd. provides, on a worldwide basis, marine and geodetic surveys, mapping, and geographic information services. The company operates from six offices across Canada and from permanent facilities in Singapore and Malaysia. Employing more than 125 skilled specialists in the fields of surveying, engineering, photogrammetry, computer information and earth sciences, the company has successfully completed projects in more than 65 countries.

## Mega Engineering Ltd.

625 - 4th Avenue S.W.  
Calgary, Alberta  
Canada T2P 0K2

Telephone: (403) 263-0894  
Contact: Ralph J. Russell, President

Mega Engineering Ltd. offers expertise in the area of planning, designing, and on-site engineering and geological supervision of oil and gas well drilling and completion operations. It has been actively involved in many Canadian projects, as well as several international petroleum developments. The company has provided on-site construction, drilling, completion and geological supervision for most of the major operators and for many of the medium-sized and junior companies. It has also supplied in-house consulting engineering and geological services for several companies. Internationally, the company has been active in engineering and geological supervision and on-site management for drilling operations in Europe, South America, Asia, the Middle East and Northern Africa.

## Metro International Trading Company

Box 526, Station W  
Toronto, Ontario  
Canada M6M 5C2

Telephone: (416) 652-1117  
Facsimile: (416) 656-4910  
Contact: Moe Irshad, Director, International Operations

Metro International Trading Company is an international trading house, importer, exporter, buyer and seller of a wide range of goods and services in Canada and worldwide. In business for more than ten years, the company is well known to its worldwide customers for supplying top quality, Canadian gas and oil field equipment and services.

## MIL Group Inc.

1010, rue Sherbrooke West  
Montreal, Quebec  
Canada H3A 2R7

Telephone: (514) 842-7911  
Facsimile: (514) 842-9183  
Contact: John McStay, Manager

The MIL Group Inc. is comprised of a group of companies and major operating divisions. The group's activities now include the design and manufacture of a wide range of complex, high quality equipment, including offshore structures, ships, hydro-electric turbines and generators, nuclear reactor calandrias, mechanical handling systems and specialist fabrications for the energy, petrochemical, shipbuilding and defence industries. MIL can fabricate a wide variety of structures, including jackets, module support frames, floating production systems, shuttle tankers, jack-up and semi-sub mobile drilling platforms, and accommodation units. Thirteen offshore drilling platforms have been completed for various parts of the world. The company is now ready to manufacture the new generation of drilling and production platforms suitable for operation in any hostile environmental waters. MIL also offers a wide range of services to the offshore industry, including hookup and commissioning, in situ repair and maintenance of platforms, engineering services, and inspection and testing.

## Milton Roy Industries Ltd.

300 Milroy Drive  
Peterborough, Ontario  
Canada K9J 7Y8

Telephone: (705) 743-6550  
Facsimile: (705) 743-5831  
Contact: William Killoch, Vice President, Sales and Marketing

Milton Roy Industries Ltd.'s modern 2 000 m<sup>2</sup> facility manufactures chemical metering pumps to customers' specifications. The company's products include a complete line of mechanically driven and solenoid operated chemical metering pumps, electronic actuators for control valves and regulation of chemical metering pumps, and packaged chemical injection systems. Established in 1966, the company serves the resource industries in the U.S., Asia and South America.

## Mitrade Export Inc.

1, Place Ville-Marie, bureau 1933  
Montreal, Quebec  
Canada H3B 2C3

Telephone: (514) 393-9596  
Facsimile: (514) 393-9809  
Telex: 055-61926  
Contact: Norman Brunelle, Export Sales Manager

Mitrade Export Inc. facilitates the international procurement process. The company offers a source for most products in the oil and gas industry—delivery, scheduling, technical support and shipping details. Mitrade has worldwide experience; projects have included the supply of equipment for new factories and petrochemical plants.

## Monenco Limited

400, 801 - 6th Avenue S.W.  
Calgary, Alberta  
Canada TWP 3W3

Telephone: (403) 298-4170  
Facsimile: (403) 298-4125  
Telex: 038-22636  
Answer Back: mon cgy  
Contact: Robert J. Clark, Vice President, Oil and Gas Division

Serving private and public companies, governments and international lending agencies in more than 70 countries, Monenco Limited is comprised of 27 subsidiaries and associated companies in Canada, the U.S. and abroad. Monenco is engaged in the power, oil and gas, mining, industrial and environmental fields. It has specific expertise in the provision of engineering, procurement and construction management (EPCM) services to the oil, gas, petrochemical and process industries. Its computer-assisted project management system, coupled with its quality management program, has contributed significantly to Monenco's international reputation.

### **Morris International Trading Ltd.**

1520 Columbia Street  
North Vancouver, British Columbia  
Canada V7J 1A4

Telephone: (604) 986-2189  
Facsimile: (604) 986-6978  
Contact: David E. Morris, President

Morris International Trading Ltd., in business for 13 years, markets the oil pollution control equipment which is manufactured by Morris Industries Ltd. The product line includes a range of oil skimmers and an inshore containment boom. Currently being developed is a work boat which can serve as a skimmer and/or boom deployment vessel, as well as a fixed installation oil recovery unit. Morris equipment is in use in Canada, Europe, South America and the U.S.

### **Nabors Drilling Limited**

1100, 505 - 3rd Street S.W.  
Calgary, Alberta  
Canada T2P 3E6

Telephone: (403) 263-6610  
Facsimile: (403) 264-7390  
Telex: 038-25629  
Answer Back: naborsintl cgy  
Contact: T.L. Doyle, President

Nabors Drilling Limited was formed in 1952 and currently owns and operates 23 land drilling rigs in Western Canada—depth capacities ranging from 1 500 to 6 000 m. Nabors has developed an industry reputation for the construction and operation of safe and efficient deep hole drilling rigs. Its primary areas of expertise are design and

construction of custom drilling rigs which feature mobility, cold weather technology, efficiency and safety; contract drilling services, specializing in deep, sour gas technology; training services for drilling operations, including rig crews, safety, well control, preventative maintenance; and research and development in the areas of rig automation, top drives and slant drilling. Nabors has exported several highly mobile deep drilling and service rigs to Alaska's North Slope. Its subsidiary company currently operates drilling rigs and offshore platforms in Yemen, Syria, Japan and the U.S.

### **Nardei Fabricators Ltd.**

P.O. Box 14, Site 1, R.R.5  
Calgary, Alberta  
Canada T2P 2G6

Telephone: (403) 279-3301  
Facsimile: (403) 279-5871  
Contact: B.K. Kaushik, Sales Manager

Nardei Fabricators Ltd. is a contracting organization, specializing in the supply (engineering, design and fabrication) of pressure vessels, boiler external piping, process piping systems, skids, packaged units and auxiliary services for the natural gas processing, oil refining and petrochemical industries.

### **National-Oilwell Canada Ltd.**

1010, 800 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G3

Telephone: (403) 262-9501  
Facsimile: (403) 262-9166  
Telex: 038-22693  
Contact: K.A. Neveu, Manager, Manufactured Products

National-Oilwell Canada Ltd. is a reliable source for innovative oil field equipment and services. It manufactures and distributes a broad range of drilling and production machinery, repair parts and operating supplies. The company and its staff of 320 direct their capabilities to the petroleum industry and export to most world markets.

### **Newco Safety Tel Inc.**

1921 - 10th Avenue S.W.  
Calgary, Alberta  
Canada T3C 0K3

Telephone: (403) 228-3605  
Facsimile: (403) 229-9321  
Contact: Dean Bochulak, Marketing Engineer

Newco Safety Tel Inc. was established in 1986 to design and manufacture specialty communications equipment for use in harsh environments and special applications—explosive atmospheres, exposure to weather, high humidity and chemical vapours. The company's primary product is an industrial, touch-tone, explosion proof telephone. It has been approved by the Canadian Standards Association and is listed by Underwriter's Laboratories (U.S.A.). It is the only telephone unit (currently available with these attributes) that can be connected directly into the public telephone network. This is complemented by Newco's Rig Intercom system which is used on land-based/offshore oil drilling rigs.

### **Nortech Surveys (Canada) Inc.**

319 - 2nd Avenue S.W.  
Calgary, Alberta  
Canada T2P 0C5

Telephone: (403) 262-0800  
Facsimile: (403) 262-0810  
Contact: Brian Cutting, Senior Manager, Calgary Division

Nortech Surveys (Canada) Inc. is a surveying and positioning company, formed in 1983. It operates worldwide with offices in Canada, the U.S., and the Sultanate of Oman. The company offers a complete range of services, including offshore surveys, GPS static and dynamic positioning, inertial surveys, and specialized integrated systems—the Airborne Laser Terrain Profiling System (ALTPS) and Digital Video Geographic System. Its personnel are among the most qualified in the world for land, sea and airborne positioning services. Nortech's strength lies in software and hardware development related to navigation and position determinations on the earth's surface. Nortech is a pioneer in the area of inertial guidance systems, satellite doppler navigation techniques, and GPS positioning techniques.



## North Atlantic Machinery (Alta) Ltd.

3820 - 93rd Street  
Edmonton, Alberta  
Canada T6E 5K6

Telephone: (403) 450-4961  
Facsimile: (403) 450-4709  
Contact: Don Ruckman, President

North Atlantic Machinery (Alta) Ltd. is an international leader in the design, engineering, manufacture and supply of downhole drilling equipment. The company has established service facilities for a full line of bit drive directional tools, jars, shock tools, roller reamers and stabilizers, as well as other specialized tools. The company's machinery plants in North America currently occupy in excess of 3 000 m<sup>2</sup> and are equipped with modern equipment to ensure quality product. In addition to CNC lathes, mills, hollow spindle lathes, drills, shapers, slotters, etc, the company is able to provide a line of heavy duty grinding and honing equipment.

## Norward Energy Services Ltd.

703, 1015 - 4th Street S.W.  
Calgary, Alberta  
Canada T2R 1J4

Telephone: (403) 290-0264  
Facsimile: (403) 265-6142  
Telex: 03-821172  
Contact: Terry Brown, Manager,  
Technical Services

Norward Energy Services Ltd. provides production testing services for onshore and offshore oil and gas wells. Norward is a total service company and has branches in the U.S. It specializes in testing wells that contain H<sub>2</sub>S gas. The company's surface equipment is engineered and built in-house to meet the rigid specifications of the major oil companies. Don Buck Fabrication Ltd. is a subsidiary company engaged in pressure piping, pressure vessel manufacture and well testing unit manufacture. The two companies design and build production testing equipment for export. This equipment is currently used in China, Pakistan, Australia, New Zealand and the state of Alaska in the U.S.

## Norwest Engineering Ltd.

902, 1015 - 4th Street S.W.  
Calgary, Alberta  
Canada T2R 1J4

Telephone: (403) 290-1648  
Facsimile: (403) 261-5048  
Telex: 03821-820  
Answer Back: *execucares cgy*  
Contact: J. David Smith, President

Norwest Engineering Ltd. is a professional engineering firm that specializes in petroleum consulting services. The company maintains a staff of experienced professional engineers and field supervisors to assist the industry in activities ranging from multiwell development projects to single well exploration programs.

## Novacorp International Consulting Inc.

P.O. Box 2535, Station M  
Calgary, Alberta  
Canada T2P 2N6

Telephone: (403) 261-5200  
Facsimile: (403) 290-6090  
Telex: 038-21503  
Answer Back: *nova cgy*  
Contact: C. Dale Richards, Senior  
Vice President

Novacorp International Consulting Inc. provides engineering and operating expertise in pipeline transmission systems and petrochemicals to clients worldwide. It is a subsidiary of NOVA Corporation which builds its businesses principally on pipelining and the manufacture of materials processed from hydrocarbons. The company has successfully participated in the development and implementation of numerous pipeline projects worldwide. Project services typically involve feasibility studies, design engineering, project and construction management, operation and maintenance assistance, staff training programs and technology transfer. Novacorp's Pipeline Software Group provides software products for the safe and efficient operation of pipelines. This includes software for leak detection, pipeline modelling and pipeline operations training. Novacorp also offers the knowledge and capabilities of a team of specialists who deal with the design, application and trouble-free operation of specialized products, such as mechanical dry seals.

## Nowsco Well Service Ltd.

1300, 801 - 6th Avenue S.W.  
Calgary, Alberta  
Canada T2P 4E1

Telephone: (403) 261-2990  
Facsimile: (403) 264-7489  
Telex: 03-825617  
Contact: Stan Baldwin, Manager,  
International Sales

Nowsco Well Service Ltd. provides, on an international basis, specialized equipment and technology to owners and operators of oil and gas wells for the cementing and stimulation (including acidizing and fracturing) of wells and in related applications involving nitrogen, carbon dioxide, endless tubing and leak detection. The company also designs and fabricates specialized equipment for its own use worldwide and for sale to third parties. The company provides training to a variety of customers, and conducts research and development activities.

## NRL Ltd.

P.O. Box 307, 2104 - 7th Street  
Nisku, Alberta  
Canada T0C 2G0

Telephone: (403) 955-3317  
Facsimile: (403) 955-2545  
Telex: 037-2966  
Contact: Grady Long, General  
Manager

Formerly known as Northern Rig Lites Ltd., NRL Ltd. was formed in 1985 through a purchase of the original company. Previous designs and manufacturing methods which have enhanced marketing of the products worldwide for the past 25 years, continue to be used today. Reliability under the most severe of conditions have proven the products' ability to be used in all drilling environments. The company manufactures hazardous and non-hazardous area fluorescent and H.I.D. lighting fixtures; marine and shipboard fluorescent and incandescent light fixtures; quartz halogen, H.I.D., and fluorescent light fixtures; portable lighting for hazardous and non-hazardous areas; and emergency lighting for hazardous and non-hazardous areas. These are exported worldwide.

## Nutron Manufacturing Ltd.

4318 - 76th Avenue  
Edmonton, Alberta  
Canada T6B 2H8

Telephone: (403) 468-2732  
Facsimile: (403) 466-7741  
Contact: Denis Gaulin, Marketing  
Manager

Nutron Manufacturing Ltd. is an integrated design, engineering and manufacturing company. It manufactures the *Nutron* ball valves and chokes. Ball valves range in size from 0.25 to 4 in. and up to 6 000 psi; chokes from 1 to 3 in. and up to 6 000 psi. These products are designed and manufactured for sweet, sour and low temperature service. 316-stainless is also used for other critical services. Their primary market is the upstream petroleum industry in Canada and the U.S.

## O'Connor Tanks Limited

15 Bermondsey Road  
Toronto, Ontario  
Canada M4B 1Z4

Telephone: (416) 751-1140  
Facsimile: (416) 751-7431  
Contact: D.R. Malcolm, Sales  
Manager

O'Connor Tanks Limited has a staff of 100 and is a custom steel fabricator. The company offers a full range of support services—design, painting, internal lining, insulation, piping, transportation and installation. Some major products routinely fabricated include tanks, pressure vessels, hoppers and bins. The company serves numerous world markets.

## Opsco Industries Ltd.

2601 Centre Avenue East  
Calgary, Alberta  
Canada T2A 2L1

Telephone: (403) 272-2206  
Facsimile: (403) 273-0377  
Contact: Brian S. Langton,  
Marketing and Sales  
Manager

Established in 1965, Opsco Industries Ltd. and its 120 employees provide wireline (pressure surveys), well testing and evaluation services, as well as instrumentation systems and services. It

also manufactures oil field production equipment, including gas/liquid separators, line heaters, dehydrators (glycol) and packaged process equipment—meter stations, production satellites, water treatment and injection packages.

## Pacific Truck & Trailer Ltd.

935 West 3rd Street  
North Vancouver, British Columbia  
Canada V7P 1E5

Telephone: (604) 985-7121  
Facsimile: (604) 985-5893  
Telex: 04352529  
Answer Back: pactruck vcr  
Contact: George Boulet, Manager,  
Sales Engineering/Product  
Development

Pacific Truck and Trailer Ltd. is a custom builder of specialized on/off highway trucks and tractors. In 1988, the company won the British Columbia Export Award for achievement in international marketing and outstanding export performance. The company was founded in 1947 and manufactures heavy duty trucks to 80 000 kg GVW, and 270 000 kg GCW for use in the oil field, as well as other industries. The company manufactures four basic models; two of these are readily adapted to meet the vocational requirements of the oil field. They can be set up as a flatbed with a disappearing fifth wheel in order to haul a wide variety of heavy oil field equipment.

## Pandit International

263 MacLaren Street, Suite 1208  
Ottawa, Ontario  
Canada K2P 0M1

Telephone: (613) 232-8497  
Facsimile: (613) 232-8497  
Telex: 053-4741  
Answer Back: superior orl  
Contact: Raj Kumar, Vice President,  
International Marketing

Pandit International was founded to design and market products for the oil and gas industry and to make investments in the form of joint ventures in oil and gas exploration and project development. It is capable of handling project development implementation, financing and marketing. Its services include the provision of seismic and gravity surveys; geomagnetic surveys for oil and gas exploration; seismic, gravity and geomagnetic data processing and 3D

seismic data processing. It provides well logging systems, and inflatable packers and testing tools.

## Partec Lavalin Inc.

909 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G5

Telephone: (403) 294-2100  
Facsimile: (403) 237-8365  
Telex: 03-827910  
Answer Back: lavalin cgy  
Contact: John R. Wood, Manager,  
Sales and Marketing

Partec Lavalin Inc. has more than 340 engineers, technicians, designers, draftspeople, and support personnel. The company's expertise encompasses all areas relating to the production, transportation, processing, upgrading and delivery of conventional energy resources, chemicals, petrochemicals and synthetic fuels. The technology base covers all aspects of project management, engineering, procurement and construction from wellhead to end user. Its professionals have completed major domestic and international projects, including processing plants, sulphur forming plants, gathering systems, pipelines and tank farms in Canada, the U.S.S.R., Africa, Asia and the Middle East.

## Pason Well Services Ltd.

5, 6120 - 11th Street S.E.  
Calgary, Alberta  
Canada T2H 2L7

Telephone: (403) 255-3158  
Facsimile: (403) 253-9681  
Contact: Jim Hill, President

Pason Well Services Ltd. has been a custom manufacturer of control and monitoring systems for drilling rigs since 1978. The company's *Pit Volume Totalizer* system is used to detect the beginning of a gas kick while drilling. This detection is achieved by monitoring the mud levels in the mud tanks and the return flow rate from the wellbore. Pason also builds a remote drilling choke system which is used to release gas from the wellbore under controlled conditions. These products are ideal for deep land-based rigs in areas where gas zones are expected, as well as for harsh, isolated locations.

## Penetrators Canada Inc.

200, 6712 Fisher Street S.E.  
Calgary, Alberta  
Canada T2H 2A7

Telephone: (403) 253-3233  
Facsimile: (403) 252-6700  
Contact: Derek C. Martin, Executive  
Vice President

Penetrators Canada Inc. was established in 1990 to market services and equipment which utilize the *Lance System Penetrator Tool*. The *Lance System Penetrator* technology is new and unique and has applications in all oil and gas producing regions of the world. The tool is a hydraulically actuated, high-pressure jet drill that consists primarily of a cutting nozzle and flexible lance. It is capable of extending three metres outward from the wellbore into formation rock—substantially exceeding the average penetration currently achieved by other penetrating devices. The tool is non-damaging, non-explosive, and uses clean, compatible, non-contaminating fluids as the cutting agent for deep formation penetration. The company supplies the downhole tools, high-pressure surface pumping equipment and high-pressure tubing, as well as the advanced technology and expertise required to put the penetrator system to work for customers.

## Petrocraft Products Ltd.

2410A - 2nd Avenue S.E.  
Calgary, Alberta  
Canada T2E 6J9

Telephone: (403) 272-9590  
Facsimile: (403) 248-7999  
Telex: 03 821172  
Contact: H.R. Morris, President

Formed in 1963, Petrocraft Products Ltd. is one of the largest suppliers of geological equipment and services in Canada and holds over 10 patents. One of the company's products is the *Sample Boy Continuous Cuttings Sampler*. This unique semi-automatic device is designed to sieve, wash and collect representative well cuttings in predetermined quantities; provide a gentle, thorough washing action; retain fines, even when drilling carbonates or sandstones; exclude most cavings; and resist corrosion—stainless steel construction. The wellsite geologist and/or mud-logger is the company's primary client. The company exports to the U.S., Mexico and Europe.

## Phillips Cables Limited

550 King Street West  
Brockville, Ontario  
Canada K6V 5W4

Telephone: (613) 345-5666  
Facsimile: (613) 345-1365  
Telex: 066-36512  
Answer Back: philelec  
Contact: T.P. Bohm, Vice President,  
International Sales

Phillips Cables Limited has supplied pump cable for ESP systems for more than 20 years. Its laboratory conducts research and development for submersible cables and its Pyrotemax Division produce mineral insulated, high temperature, heat tracing cables and systems. Different types of ESP Cables are produced for various temperatures and feature round and flat designs. Heat tracing systems, controls, and engineering services are also available. The company's clients include petrochemical and oil producers worldwide.

## Pillar Oilfield Projects Ltd.

502, 550 - 11th Avenue S.W.  
Calgary, Alberta  
Canada T2R 1M7

Telephone: (403) 266-7070  
Facsimile: (403) 233-7802  
Contact: Robert J. Unrau, General  
Manager

Incorporated in 1983, Pillar Oilfield Projects Ltd. provides construction and fabrication services to the oil industry, including field installation of gas compressors, gas plants, oil batteries, water disposal plants and heavy oil facilities; shop fabrication of production skids, satellite and header facilities.

## Plains Perforating Ltd.

860, 400 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 0L6

Telephone: (403) 262-6306  
Facsimile: (403) 266-3960  
Contact: Tom Kusumoto, President

Plains Perforating Ltd., established in 1972, is a perforating and logging company. The company provides services to more than 100 oil and gas clients. All of its logging equipment is fully computerized and can

service from shallow gas wells to deep wells.

## Plainsman Manufacturing Ltd.

5928 - 99th Street  
Edmonton, Alberta  
Canada T6E 3N9

Telephone: (403) 435-4807  
Facsimile: (403) 435-4546  
Telex: 037-2966  
Contact: Lee Makelki, Secretary  
Treasurer

Plainsman Manufacturing Ltd. manufactures a complete line of chemical pumps, check valves, orifice plates, insulators, and plastic and steel pumps and foam pigs for the Canadian and U.S. markets. The company's engineers also custom build to clients' requirements.

## Positive Action Tool Western Limited

1401, 510 - 5th Street S.W.  
Calgary, Alberta  
Canada T2P 3S2

Telephone: (403) 237-6441  
Facsimile: (403) 237-6445  
Contact: Hugh M. King,  
International Sales  
Manager

Positive Action Tool Western Limited, established in 1976, is a manufacturer and distributor of specialized equipment designed to help solve problems which often occur in artificial lift (pumping) oil wells. The company manufactures and installs Sucker Rod Scraper-Guides for paraffin control and rod centralization; one model is designed to reduce or eliminate the necessity of hot oiling or chemical injection as it prevents paraffin build-up on rods and tubing simultaneously. Other products include the *AGM* two-position, wellhead steam control device (blowout preventer); the *HTD* high temperature, dual packed stuffing box for heavy oil production; Rod Rotators—installed on plunger ends of bottom hole pump to reduce plunger seizing; field installable Lotus Rod Guides—to centralize sucker rod strings in moderately crooked wells; Posi-Align stuffing boxes—for wellhead polished rod mis-alignments; and oil field improvement Wheeled Rod Guide Couplings—to

centralize sucker rod strings in severely deviated oil wells.

## Predictive Maintenance Corporation

400, *saue West, bureau 101*  
Montreal, Quebec  
Canada H3L 1Z8

Telephone: (514) 383-6330  
Facsimile: (514) 383-5631  
Contact: *Marvin Ostin, President*

Predictive Maintenance Corporation is an oil analysis laboratory and research facility. Its mission is to provide accurate and reliable machine and lubricant diagnostics to industry in order to predict and prevent costly repairs and production losses. The company employs artificial intelligence to produce consistent, in-depth reporting on the health of machinery and quality of lubricants. It also uses laboratory methods, such as total metals spectroscopy (TMS) to accurately measure both large (15 to 75 microns) and small particle wear (less than 15 microns). (Conventional emission spectroscopy is limited to the detection of small particles.) An accurate and fast method of detecting and measuring large particles is important in the monitoring of machines that contain gears and rolling element bearings (90 percent of all machines). The company also markets its *Artificially Intelligent Laboratory Information Management System* (AI/LIMS).

## Premetalco Inc., Exchanger Industries Division

5505 - 52nd Street S.E.  
Calgary, Alberta  
Canada T2C 2W8

Telephone: (403) 236-0166  
Facsimile: (403) 279-8242  
Contact: *Ian Wright, Sales Manager*

Exchanger Industries, a division of Premetalco Inc., was founded in 1961 to design and manufacture heat transfer equipment in support of the oil and gas and petrochemical industries. It is now one of the leading heat exchanger manufacturing companies in Canada. The products engineered and manufactured by the company include shell and tube heat exchangers, air-cooled heat exchangers,

waste heat boilers, and oil well pumping units.

## Proficient Oil Tools Ltd.

7131C - 6th Street S.E.  
Calgary, Alberta  
Canada T2H 2M8

Telephone: (403) 255-5544  
Facsimile: (403) 255-4105  
Telex: 03821671  
Answer Back: *proficient cgy*  
Contact: *Les Szadovszki, President*

Proficient Oil Tools Ltd. was established in 1986 to specialize in downhole completion equipment for oil and gas completions in Canada and international markets. The company offers advanced, proven product lines and high standards of quality control measures. Its equipment meets the needs of varied well conditions, including H<sub>2</sub>S/CO<sub>2</sub> service and extremely corrosive service. Its product line includes tubing mounted completion equipment—nipples, sliding sleeves, blast joints, shut-off valves; flow control accessories—plugs, chokes separation sleeves, check valves, instrument hangers, collar stops; shifting, running, equalizing and pulling accessories—shifting tools, running tools, shanks, guides, prongs and probes; wireline tools—rope sockets, stems, hydraulic jars, blind boxes, gauge rings; and wireline equipment packages and production testing equipment packages.

## Propak Systems Ltd.

505 East Lake Boulevard  
Airdrie, Alberta  
Canada T4B 2C3

Telephone: (403) 948-2001  
Facsimile: (403) 948-5024  
Telex: 03-827716  
Answer Back: *propaksyst air*  
Contact: *P.J. Dewey, Vice  
President, Technical Sales*

Propak Systems Ltd. has, since 1976, provided in-house services to the energy processing industry in engineering/process technology development, shop fabrication/modularization, and field construction, commissioning and start up. The company provides a total turnkey approach on projects valued to \$10 million. It has constructed more than 500 processing facilities ranging from 0.2 MMSCFD to 90 MMSCFD of natural gas. Propak's engineering services include civil,

mechanical, electrical and process engineering on an individual basis or in combination. Propak has demonstrated superior capability in areas of mixed refrigeration to cryogenic temperatures, selective absorption amine systems, as well as other areas of general gas processing. Propak's capabilities also include plan process simulation, productivity enhancement studies and performance tests.

## Prudential Steel Ltd.

P.O. Box 1510  
Calgary, Alberta  
Canada T2P 2L6

Telephone: (403) 263-7820  
Facsimile: (403) 261-0936  
Contact: *Byron Hussey, Manager,  
International Sales*

Prudential Steel Ltd. is the largest pipe manufacturer in Canada. Its products for the oil and gas industry include E.R.W. and seamless oil tubular goods, line pipes, hollow structural sections, and mechanical tube. Its seamless tubulars exceed expectations for concentricity, wall integrity, metallurgy, dimensional accuracy and surface quality.

## Pullmaster Winch Corporation

8247 - 130th Street  
Surrey, British Columbia  
Canada V3W 7X4

Telephone: (604) 594-4444  
Facsimile: (604) 591-7332  
Contact: *Heinz K. Schroer, Director  
of Marketing*

The Pullmaster Winch Corporation is a worldwide supplier of precision gears and machine components. After the introduction of the first *Pullmaster Winch*, the company became a leader in the development of planetary hydraulic winches and drives; these feature automatic disc brakes with static and dynamic brake function. Its equipment includes planetary hydraulic winches in a range of capacities from 2 000 to 5 000 lb. line pull, and planetary hydraulic drives with output torques of 5 000 lbs./in. and 135 925 lbs./in.

## Pulsesearch Consolidated Technology Ltd.

700, 10201 Southport Road S.W.  
Calgary, Alberta  
Canada T2W 4X9

Telephone: (403) 259-8560  
Facsimile: (403) 255-6637  
Contact: John R. Adams, President

Pulsesearch Consolidated Technology Ltd. was founded in 1987 as an advanced technology engineering, survey, software and systems design enterprise. The experience of the principals includes structural engineering, system development and integration and geodetic technologies. The in-house technical expertise and operational experience allow the company to respond to numerous demanding and technically challenging tasks. The company provides services in systems development and integration—engineering systems design, navigation system integration, software and hardware design; geodetic surveys—precise engineering surveys, land/marine survey data acquisition; management consulting—contract management consulting; monitoring—pipeline geometry pigging, civil engineering structures, mines, dams; and structural analysis—engineering system analysis, pipeline stress analysis, civil structures structural analysis, limit state analysis, reliability analysis, predictive and corrective maintenance planning analysis.

## Pulsonic Geophysical Ltd.

700, 10201 Southport Road S.W.  
Calgary, Alberta  
Canada T2W 4X9

Telephone: (403) 255-2820  
Facsimile: (403) 255-6637  
Contact: Doug Bogstie, Vice  
President, Marketing

Pulsonic Geophysical Ltd. is one of the largest seismic data processing contractors in Canada. Established in 1981, it has become an industry leader in geophysical research and the introduction of new technology. It has provided its services to clients worldwide. Proprietary software developed by the affiliate company, Pulsonic Technology Corp. (PTC) runs on a large networked computing facility which includes supercomputing hardware. PGL is capable of processing any type of seismic data, including land, marine, 2D and 3D. The company specializes in producing very

high quality results by utilizing its vast array of advanced programs. Superior 3D products have made Pulsonic one of the foremost 3D processors in North America. Advanced techniques developed for AVO processing have yielded significant exploration success for numerous clients.

## Qualitas International Inc.

2828 Signal Hill Heights S.W.  
Calgary, Alberta  
Canada T3H 2B5

Telephone: (403) 242-8630  
Facsimile: (403) 240-3945  
Contact: Ameet Rao, President

Qualitas International Inc. is an international trading and procurement service company. Its personnel have a unique combination of technical and commercial experience in the execution of large international projects. The company's areas of specialization include oil and gas production and drilling equipment, solar and geothermal energy utilization, and welding and materials testing equipment. All commercial transactions are supported by technical professionals to guarantee the highest levels of quality and reliability to its customers. Qualitas can handle all aspects of an international export contract.

## Quality Fabricating & Supply Limited

3751 - 76th Avenue  
Edmonton, Alberta  
Canada T6B 2S8

Telephone: (403) 468-6762  
Facsimile: (403) 468-0995  
Contact: Gino Alessandrini,  
President

Quality Fabricating & Supply Limited is a manufacturer of a variety of structural steel products, fabricated to customer specifications. For the oil and gas industry, the company manufactures drilling rigs, including support modules—generator assemblies and buildings, dog houses, catwalk ramp assemblies, complete mud assemblies, utility buildings, and miscellaneous rig components. For the petroleum production and processing industry, the company manufactures modular pipe bridge sections, complete with pipe transmission towers and hardware, steel buildings, equipment supports and skids,

pump jack structures, heat exchangers, and miscellaneous structural steel.

## Quantel Engineering (1981) Ltd.

700, 777 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3R5

Telephone: (403) 269-9833  
Facsimile: (403) 269-9845  
Telex: 038-27954  
Answer Back: quantel cgy  
Contact: J.D. Rogers, Director,  
Business Development

Quantel Engineering (1981) Ltd., established in 1975, offers a comprehensive range of services—from concept development through to plant start up. It provides feasibility and economic studies; process configuration studies/development; process/mechanical designs; detailed engineering and design drafting; procurement; project management; construction management and construction; and commissioning and plant start up. In 1989, the company was responsible for the execution of \$110 million in capital projects. Its capabilities encompass heavy and conventional oil technology, gas sweetening processes, pipelines, gathering systems, compressor stations, pumping stations, enhanced oil recovery systems, offshore topside facilities, control systems, supervisory control and data acquisition systems, and refinery modifications.

## Quebec Tools Corporation

55, Benjamin-Hudon  
St-Laurent, Quebec  
Canada H4N 1H7

Telephone: (514) 331-7720  
Facsimile: (514) 331-0388  
Contact: Donald Chartrand,  
Procurement Manager

Quebec Tools Corporation manufactures custom built machinery for the chemical and petroleum industry. Its 8 100 m<sup>2</sup> modern plant is equipped with the necessary machine tools to permit complete fabrication, machining and assembly of components. Equipment manufactured by the company includes pressure vessels, drilling rig components, platforms, pump

base frames, conveyors, rolls, and hydraulic turbine parts.

### Quinn Testers Ltd.

405, 1040 - 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3G9

Telephone: (403) 290-1704  
Facsimile: (403) 266-1962  
Contact: Pat J. Quinn, President

Quinn Testers Ltd. is a major supplier of drill stem testing services. It also designs and manufactures testing tools. The company conducts education courses in expert drill stem analysis and drill stem testing.

### Raffin Electric Co. Ltd.

5539 - 1st Street S.E.  
Calgary, Alberta  
Canada T2H 1H9

Telephone: (403) 252-7551  
Contact: James Duffy, Controller

For more than 30 years, Raffin Electric Co. Ltd. has been designing and building solutions for the special electrical requirements of numerous industries, including petrochemical. The company's controls, switchgear and retrofits have consistently provided high quality service and flexibility. Raffin's equipment has been exported to the U.S. and Asia.

### Ramsay Machine Works Ltd.

1630 Store Street  
Victoria, British Columbia  
Canada V8W 1V3

Telephone: (604) 384-5314  
Facsimile: (604) 389-0504  
Contact: Gregory H.P. Ramsay,  
President

Ramsay Machine Works Ltd., established in 1903, has serviced and produced manufactured items for the oil and gas industry for more than three decades. The company produces custom steel and stainless steel fabrications, and machined components for clients in Canada, the U.S. and Western Europe.

### Rayonics Scientific Inc.

473A Windmill Road  
Dartmouth, Nova Scotia  
Canada B3B 1B2

Telephone: (902) 468-3344  
Facsimile: (902) 468-1203  
Contact: Kerry Weaver

Rayonics Scientific Inc. sells and services a wide range of laboratory and analytical equipment and a complete line of test and measurement instrumentation to clients worldwide. Services are provided in overhaul, repair and calibration of electrical, electronic, mechanical, physical properties, nuclear medical, optical, and quality control test and measuring instrumentation. Its products include pressure gauges, compressor filters and dryers, laboratory analytical equipment (oil analysis, etc.), test and measuring instrumentation, communication test equipment, spectrofluorimeters and gas chromatographs.

### Rebound Rig International Ltd.

1165A - 44th Avenue S.E.  
Calgary, Alberta  
Canada T2G 4X4

Telephone: (403) 287-0176  
Facsimile: (403) 243-2061  
Telex: 03-825512  
Answer Back: rebound cgy  
Contact: L.E. Tomlin, Vice  
President, Marketing

Since 1973, Rebound Rig International Ltd. has been a leader in the manufacture and supply of coiled tubing units with large compressors for shallow hole clean outs. Each of the eight different coiled tubing models, which range from shallow to intermediate to deep wall applications, can be custom designed and manufactured to meet customers' needs. Ongoing research and development has produced the new RT-SERIES injector heads which lead the industry in pulling strength. With almost 100 Rebound coiled tubing units sold throughout the world, Rebound offers a complete spare parts back-up and infrastructure support. A complete line of accessories and service equipment is also available.

### Reflange (Canada) Inc.

Old Onondaga Road, R.R. 1  
Brantford, Ontario  
Canada B3T 5L4

Telephone: (519) 759-5672  
Facsimile: (519) 759-4495  
Contact: David M. Dewan,  
President

Reflange (Canada) Inc. manufactures a line of severe service, pipe connectors. The line of connectors consists of R-Con, G-Con and E-Con models. The R-Con and G-Con are hub-type connectors and are fully interchangeable with Grayloc connectors. The E-Con connector is a modified flange fitting which may be retrofitted to existing field connections or used for original design. These flanges reduce the cost of massive flange forgings, bolts and commonly used gaskets through the use of a metal-to-metal, pressure energized seal. The Reflange connection is commonly used, both nationally and internationally for high-pressure and temperature applications for petrochemical production, power plants, and in petroleum production and refining, offshore oil and gas platforms and extremely critical extraction projects.

### Rice Engineering & Operating Ltd.

8505 Argyll Road  
Edmonton, Alberta  
Canada T6C 4B2

Telephone: (403) 469-1356  
Facsimile: (403) 469-2587  
Contact: E. Dorman, Sales  
Manager

Rice Engineering & Operating Ltd., established in 1956, manufactures the Rice Long Path Insulating Nipple. The patented device interrupts the flow of stray electrical currents along steel pipelines. It requires no field assembly and its sturdy construction allows for permanent installation in the piping system.

## Riley's Datashare International Ltd.

1223 - 31st Avenue N.E.  
Calgary, Alberta  
Canada T2E 7W1

Telephone: (403) 291-3370  
Facsimile: (403) 291-3894  
Contact: D.E. Plewes, President  
and Chief Executive  
Officer

Riley's Datashare International Ltd. is a petroleum industry service company involved primarily in providing well log data and seismic processing services. Riley's was founded in 1950 as a reproduction and supply company and worked closely in its early years with the petroleum industry in developing a well log library for Canada. The Log Division operates a library of Canadian well logs. It provides this distribution from a comprehensive library of over 540 000 logs in both hardcopy and microfiche formats. The Digital Division is primarily engaged in building a database of well logs in digital format, and supplying data and related analytical services to the Canadian and international markets. It also markets microcomputer-based applications software which uses digital log data. The Seismic Processing Division operates a processing centre for the Canadian market.

## RockBit Industries of Canada (1985) Ltd.

5677 Burleigh Crescent S.E.  
Calgary, Alberta  
Canada T2H 1Z7

Telephone: (403) 255-3730  
Facsimile: (403) 255-3721  
Contact: Lawrence M. Pedersen,  
President

RockBit Industries of Canada (1985) Ltd. is primarily a research and development facility with a reputation for innovative technology and customer service. The company has made numerous technological advancements—a high speed dual bearing system, a mechanical lock-up feature, indication systems for bearing or gage failures, and two-cone deviation control bits. RockBit has worked with several major companies as a custom bit manufacturer. Projects have ranged from prototype bits and special application bits to improved cutting structure designs.

## RSI Research Ltd.

10, 10114 MacDonald Park Road  
Sidney, British Columbia  
Canada V8L 3X9

Telephone: (604) 656-0101  
Facsimile: (604) 656-1161  
Contact: Chris Roper, Marine  
Robotics Manager

RSI Research Ltd. conducts research and development and also designs and manufactures subsea equipment. Its products include subsea advanced master/slave remote manipulator systems; undersea custom tools; advanced control systems for large hydraulic equipment; grapple yarders and front-end loaders, diggers and excavators; and internal pipe crawlers for pipeline inspection. The company's products have been exported to the U.S., Asia, Australia and Europe.

## Russell Technologies Inc.

4909 - 75th Avenue  
Edmonton, Alberta  
Canada T6B 2S3

Telephone: (403) 469-4461  
Facsimile: (403) 468-2076  
Telex: 037-2966  
Contact: Jim Yukes, Sales  
Representative

Russell Technologies Inc. was formed in 1973 to meet the increasing demand for non-destructive examination services. The company's expertise ranges from the correct procedure for the tightening of an individual bolt to the coordination of complete plant shut-downs. The company's products include *Radalarm II* radiation monitor and the *Radalarm II* field meter. These meters and monitors combine audible and visual alarms; the field meter includes a survey meter. Settings are adjustable and they are worn on the belt to free hands and ensure safety. The products' leather cases have pockets for dosimeter and film badge.

The company's *Ferroscope System* is the only practical method for examining ferro-magnetic tubes in boilers, feedwater heaters and heat exchangers. The system provides significant savings in equipment life-extension and preventative maintenance. Defects which the system detects include general wall loss, fretting, corrosion, erosion and pitting. A pipeline 'pig' for 4 in. flow lines is being developed.

## S.I.R. Locator Service Sourcing & Purchasing Inc.

105, 3016 - 5th Avenue N.E.  
Calgary, Alberta  
Canada T2A 6K4

Telephone: (403) 235-1058  
Facsimile: (403) 248-2899  
Contact: Pieter Gijzenbergh,  
Managing Director

S.I.R. Locator Service Sourcing & Purchasing Inc. is an international equipment brokerage firm that was established in Canada in 1988 for the purposes of marketing, consulting, representing and assisting multinational organizations and large industries in the marketing and selling of high capital value, new and used, surplus equipment or machinery. The company arranges and supervises the dismantling and loading procedures, financial arrangements, export licences, transport, shipping arrangements, insurance, and other details. Other services include quote purchasing—project planning, quote assembly, tenders and organizational services; and a locator service for foreign buyers to quickly, efficiently and anonymously locate potential suppliers.

## S.N. Hanson Group Enterprises Ltd.

7450 - 18th Street  
Edmonton, Alberta  
Canada T6P 1N8

Telephone: (403) 440-2916  
Facsimile: (403) 440-4175  
Contact: Gary D. Stuart, General  
Manager

Hanson Materials Engineering, a division of S.N. Hanson Group Enterprises Ltd., is comprised of consulting engineers, technologists and inspectors with expertise in power generation, the offshore petroleum sector and other sectors. Hanson offers a specialized engineering consulting service which includes preparation of specifications, failure analysis, plant evaluations and audits, and materials evaluations in the areas of metallurgy, welding, corrosion, polymers, and quality assurance. The Non-Destructive Testing Division employs technologically advanced equipment. With the largest group of technicians in Canada, the company has successfully completed

many of the most prominent construction projects awarded since 1970.

## Sander Geophysics Limited

303 Legget Drive  
Kanata, Ontario  
Canada K2K 2B1

Telephone: (613) 592-1301  
Facsimile: (613) 592-1302  
Telex: 053-4755

Answer Back: *geosand*  
Contact: George W. Sander,  
President

Sander Geophysics Limited was established in 1956 and has grown to be a major organization in the field of airborne geophysical surveying. The company provides a variety of airborne surveys to the oil and gas industry. These surveys assist in the initial evaluation of new exploration areas and aid considerably in the exploration of developed areas. The company operates three fixed-wing aircraft and one helicopter equipped with GPS (Global Positioning System) satellite instrumentation and Inertial Navigation System. Sander Geophysics has developed systems to fly airborne geophysical aircraft in areas which are either not well mapped or provide poor reference on the ground, particularly offshore areas. It has experience in depth calculation and other mathematical evaluation of data, and geological interpretations. The company operates a large data processing centre which provides services for its own surveys, as well as for other companies. The company also develops methods and programs for the evaluation of airborne geophysical survey data.

## Sandwell Inc.

666 Burrard Street  
Vancouver, British Columbia  
Canada V6C 2X8

Telephone: (604) 684-0055  
Facsimile: (604) 684-7533  
Telex: 04-51275

Answer Back: *swanco vcr*  
Contact: R.E. Anderson, Director,  
Business Development

Sandwell Inc., a group of consulting companies, has been planning and engineering projects in Canada, the U.S. and

worldwide since 1949. Sandwell has emerged to international prominence in the planning and engineering of ports, harbour installations, offshore structures, bulk terminals, materials handling, transportation systems and specialized Arctic facilities.

Their DATAP Systems Division supplies real-time automation and information management systems. The company's software products, developed through extensive research and development programs, provide comprehensive capabilities in remote control, monitoring and facility management. DATAP's installed products for the oil and gas industry include multiprocessor minicomputer supervisory control and data acquisition networks for petroleum production and pipelines. The projects completed for the industry include engineering, software, turnkey system services and installation management related to distributed multiprocessor networks; batch tracking and leak detection packages; extremely fast response, highly flexible man/machine interface; and production automation systems, using both mini and microcomputer-based master and field production metering.

## Seatronics Technologies Ltd.

304 - 3700 Gilmore Way  
Burnaby, British Columbia  
Canada V5G 4M1

Telephone: (604) 437-4781  
Facsimile: (604) 430-3035  
Contact: Jacques Heyrman,  
President

Seatronics Technologies Ltd. was founded in 1983 to undertake research and development in the field of hydrodynamics. At the B.C. Research Ocean Engineering Centre in Vancouver, *Hydralift Skegs* and energy efficient tug/barge designs were developed. At present, 15 vessels fitted with *Hydralift Skegs* are operating worldwide, mostly in support of the offshore gas and oil industry in areas where marine transportation services to oil and gas exploration and production is required (the U.S. Gulf and West Coast, the North Sea and the Middle East).

## SEI Industries Ltd.

7400 Wilson Avenue  
Delta, British Columbia  
Canada V4G 1E5

Telephone: (604) 946-3131  
Facsimile: (604) 940-9566  
Telex: 04-355779  
Answer Back: *sei ind vcr*  
Contact: Peter Van Bodegom,  
Sales Manager

SEI Industries Ltd. is known internationally for its expertise in aerial fire-fighting equipment. The company manufactures the *Bambi Bucket* which is recognized as the most advanced bucket available for aerial attack by helicopters. It is used for fire-fighting in more than 40 countries by commercial helicopter operators, government agencies and military forces. It recently won the prestigious Ernest C. Manning award for outstanding design innovation in Canada. The company also manufactures a complete line of lightweight, air transportable storage tanks. The *Fuel Easy* is a collapsible fuel container used to transport fuel by helicopter. *Terra* tanks are air transportable tanks used for fuel, chemical or water storage, and are available in sizes ranging to 200 000 litres.

## Select Energy Systems Inc.

1165J - 44th Avenue S.E.  
Calgary, Alberta  
Canada T2G 4X4

Telephone: (403) 243-7542  
Facsimile: (403) 243-7977  
Telex: 03-825512

Contact: Les Tomlin, Vice  
President, Marketing

Select Energy Systems Inc., established in 1988, is a specialty manufacturer and supplier of parts and accessories to the coiled tubing industry. These include single and double coiled tubing hangers, BOPs, annular BOPs, stripper BOPs, production packers, setting tools, drilling (mud) motors, and other specialty tools for international markets.



## Servipetrol Ltd.

P.O. Box 7010, Station E  
Calgary, Alberta  
Canada T3C 3L8

Telephone: (403) 266-2535

Facsimile: (403) 264-8297

Telex: 03-821172

Answer Back: cgy

Contact: Roberto Aguilera,  
President

Servipetrol Ltd. was established in 1981 to provide petroleum consulting services, software and training to companies worldwide. The company has unique expertise in the evaluation of naturally fractured reservoirs. This has led to their services being provided in more than 25 countries. The company offers services ranging from geological evaluation to reservoir engineering studies, including prospect evaluation, well log interpretation, reserves evaluation, reservoir performance analysis, numerical simulation, well test analysis and economic evaluation.

## Shaw Pipe Protection Ltd., CANUSA Division

25 Bethridge Road  
Rexdale, Ontario  
Canada M9W 1M7

Telephone: (416) 743-7111

Facsimile: (416) 743-7199

Telex: 06-989435

Contact: Fred Wutschert, Marketing  
Manager

The CANUSA Division of Shaw Pipe Protection Ltd. began operations in 1966 and provides field joint protection products. With a strong base in plastics engineering, as well as sealants and coatings technology, CANUSA engineers have developed a wide variety of heat shrinkable pipeline products. The *CANUSA Wrapid Sleeve* system is a unique one-piece heat shrinkable wraparound sleeve. The patented design incorporates a welded closure strip that fuses the overlap to the underlap during shrinking. This premium product and their regular wraparound sleeves and heat shrinkable tube sleeves are available in a wide range of backings and sealants to suit specific operating temperatures and environmental conditions. The *CANUSA Wrapid Tape™* is a primerless heat shrinkable tape which is used on fittings, risers, elbows and irregular configurations to

prevent corrosion. Other products include the *CANUSA Repair Patch* for the repair of damaged pipe coatings, the *CANUSA Protection Kit* to provide a complete seal of thermite brazed, cathodic protection wire connections and the *CANUSA Casing Seal Kit* that provides a permanent seal on pipeline casings to electrically isolate pipelines from metallic casings.

## Sierra Drilling Ltd.

1070,7001 - 4th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3J4

Telephone: (403) 266-1900

Facsimile: (403) 266-1926

Contact: R.D. Edwards, Vice  
President

Sierra Drilling Ltd. is recognized as a world leader in slant hole or angle drilling. Sierra has drilled more than 800 slant wells and many thousands of conventional wells. The company provides slant hole drilling rigs and technology, ie. equipment that drills at angles up to 45° from surface. This is accomplished by changing the angle of the derrick and permits straight line drilling to achieve horizontal displacements. Its markets are primarily in pad or multiwell applications, such as heavy oil. Sierra has provided its services in South America and Asia.

## Simmons Group Inc.

700, 1207 - 11th Avenue S.W.  
Calgary, Alberta  
Canada T2C 0M5

Telephone: (403) 245-5156

Facsimile: (403) 245-5156

Telex: 03-827662

Answer Back: sg canada sg

Contact: Dale M. Simmons,  
Chairman

The Simmons group of companies originated in 1962 with the formation of Simmons Drilling Ltd. To satisfy a growing oil well drilling market, Simmons became involved in the design and fabrication of efficient and innovative drilling rigs. Diversification in the early 1970s led to the creation of Western Underground Contractors, a company that develops underground salt caverns for the storage of petroleum and natural gas. This was followed by the acquisition of a natural gas transmission system by which Simmons

Pipelines Ltd. transports a total of more than 225 MMCFD of gas to Syncrude and to the NOVA System in Alberta.

Responding to the world's growing concern for the environment, Simmons entered the 1990s with the formation of Noram Environmental Solutions Inc. Through its two subsidiaries, Alternative Fuel Systems Inc. and Deep Shaft Technology Inc., Noram markets an electronic, computer-driven, dual fuel kit for diesel engines and an innovative wastewater treatment process. The kit converts engines to run on economic natural gas; the Deep Shaft process efficiently treats biodegradable waste with a fraction of the land or energy required of conventional methods.

## SIMTECH Consulting Services Ltd.

2005, 205 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2V7

Telephone: (403) 262-4885

Facsimile: (403) 263-8556

Telex: 038-22763

Contact: Geoffrey M. Warren,  
Marketing Representative

SIMTECH Consulting Services Ltd. is an advanced technology consulting and software research and development firm, specializing in numerical simulation programs for the petroleum industry. Applications include hydraulic fracturing, reservoir modelling, tar sands/ geomechanical modelling and well test analysis. The company's markets include all oil and gas operating and service companies worldwide.

## Smart Turner Limited

191 Barton Street East  
Hamilton, Ontario  
Canada L8L 2W7

Telephone: (416) 527-4567

Facsimile: (416) 527-7173

Contact: T.D. Lindermere, General  
Manager

Smart Turner Limited has more than 100 years of experience in the design and manufacture of heavy duty industrial and municipal pumps. Their products include ANSI-B73.1 and standard end suction, double suction, multistage, vertical sump, non-clog, refuse, and vertical cantilever

centrifugals. Also available are reciprocating steam and power pumps; sizes range from 1 to 12 in. discharge while materials vary from cast irons and steels to a full selection of corrosion resistant alloys, including bronzes, stainless steels, hastelloys, and titaniums. The quality and performance of the company's products are ensured by manufacturing quality assurance programs to CSA Z299.3 and Z299.4, and pump testing to the standards of the Hydraulic Institute.

## Solid Resources Limited

304, 513 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 1G3

Telephone: (403) 237-8050  
Facsimile: (403) 266-1464  
Contact: Jim Lake, Sales Manager

Solid Resources Limited specializes in wireline and well testing. Its Solid Well Testing Division provides operating crews and equipment for sweet and sour gas well testing, rental of oil field production and testing equipment, absolute open-flow potential determination, reservoir evaluations and limit tests, repair and maintenance of production equipment, and the provision of crews for gas plant operations. Its Solid Wireline Services Division supplies wireline equipment for sweet and sour gas well testing, mechanical equipment of sweet and sour service, B.H.P. and temperature equipment for low or high pressure wells, and electronic equipment for downhole or surface printouts; design and manufacture of special tools and a complete pressure control service.

## Spilsbury Communications Ltd.

1495 Franklin Street  
Vancouver, British Columbia  
Canada V5L 5B6

Telephone: (604) 254-6411  
Facsimile: (604) 254-2080  
Telex: 04-55482

Answer Back: spiltin vcr  
Contact: Berge Tuysuzian,  
Manager, International  
Marketing

Spilsbury Communications Ltd., incorporated in 1941, has developed commercial, medium and long range, high

frequency, single side band (HF SSB) communications. In recent years, the company has diversified its activities and developed a range of digital voice products; it has also become a major supplier of VHF car radio telephones. Today, Spilsbury's marketing and service network extends into more than 50 countries. Exports account for half of the company's annual sales.

In 1986, Spilsbury incorporated R.A.C.E. Technologies Inc., purchasing the right to further develop, manufacture and market RACE—automated HF radio and telephone system for voice data communications networks. R.A.C.E. has also developed a range of modems for error free transmission of facsimile and data over HF networks. Racal Communications of the U.K. markets R.A.C.E. products on a worldwide basis.

## Sproule Associates Limited

900, 140 - 4th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3N3

Telephone: (403) 269-7951  
Facsimile: (403) 237-0201  
Telex: 03-821172  
Contact: Rudolf Cech, Director

Sproule Associates Limited provides worldwide geological and engineering services to the petroleum and mineral industries and to governments and international agencies concerned with resource development. It now employs about 75 persons, including professional geologists and engineers in many parts of the world. The company's services include oil and gas reserve determinations, property and company evaluations, subsurface geological analyses, petroleum engineering services, feasibility studies, field surveys, photogeological interpretations, consultation, exploration and development, management of oil and gas companies and properties, and advice on petroleum investments.

## Sprung Instant Structures Ltd.

1001 - 10th Avenue S.W.  
Calgary, Alberta  
Canada T2P 0B7

Telephone: (403) 245-3371  
Facsimile: (403) 229-1980  
Contact: F.B. Irvine, Vice President

Sprung Instant Structures Ltd. was incorporated in 1971 and evolved from a research and development program which was initiated in 1969 in cooperation with the Canadian Government. Over the succeeding four years, the *Membrane Stress Theory* evolved and was refined and put into practical application in the form of the present *Sprung Instant Structure*. This application or technique is patented in every industrialized nation in the western world. The structures have been sold in more than 50 countries, including the Arctic regions. *Sprung Instant Structures* are portable and modular and can be quickly erected and dismantled. They are the answer to the need for economical enclosed space and are suitable as warehouses, maintenance depots, workshops, pipe assembly plants, construction covers, equipment and vehicle storage depots, and emergency shelters.

## Starozik Industries Ltd., Ruffneck Heaters Division

2827 - 18th Street S.E.  
Calgary, Alberta  
Canada T2E 7K5

Telephone: (403) 291-5488  
Facsimile: (403) 291-7042  
Contact: Ian McDonald, Marketing  
Manager

Ruffneck Heaters Division is a manufacturer of specialty heating equipment which is used primarily in hazardous locations where explosion-proof units are required. Ruffneck has been manufacturing and marketing its high quality, rugged, industrial heating equipment for 15 years. These heaters are sold extensively throughout North America, Europe, China and the U.S.S.R.

## Stelco Inc., Stelpipe Division

P.O. Box 1010  
Welland, Ontario  
Canada L3B 5Y6

Facsimile: (416) 735-2055  
Contact: D.W. Johnstone, Sales  
Manager, Oil and Gas  
Eastern

The Stelpipe Division of Stelco Inc. was originally established in 1900. The division manufactures a large variety of line pipe for the oil and gas industry at its two manufacturing locations in Canada—Camrose, Alberta and Welland, Ontario.

## Strata Drill Ltd.

P.O. Box 494  
Okotoks, Alberta  
Canada T0L 1T0

Telephone: (403) 236-1600  
Facsimile: (403) 279-1868  
Contact: Roger Hoffort, President

Strata Drill Ltd. has been in business for 22 years and manufactures polycrystalline diamond bits, including core bits.

## Stream-Flo Industries Ltd.

4505 - 74th Avenue  
Edmonton, Alberta  
Canada T6B 2H5

Telephone: (403) 468-6789  
Facsimile: (403) 469-7724  
Telex: 037-2869  
Contact: Miles McGillivray, Director,  
International Development

Stream-Flo Industries Ltd. was established in 1962 to design and manufacture wellhead equipment. The company markets its products under the brand name of CROWN. These wellhead products include adaptor flanges, bowl protectors, back pressure valves and plugs, casing hangers, head and spools, combination test plugs and retrieving tools, crosses, tees adaptors, drilling flanges, gate valves, secondary pack-offs, subsurface safety control valves, tubing hangers, tubing head adaptors and tubing heads. CROWN Swing Check Valves are available in 0.5 to 56 in., 275 to 6 000 psi working pressure. All Stream-Flo products are licensed with the American Petroleum Institute. Today,

Stream-Flo sells its products in Canada, Asia and Northern Africa.

## Sunada Tech Inc.

3, 415 Monument Place S.E.  
Calgary, Alberta  
Canada T2A 1X4

Telephone: (403) 235-6684  
Facsimile: (403) 269-2419  
Contact: Norm Roscovich, Sales  
Manager

Sunada Tech Inc. was established in 1985 for the manufacture, sales and service of electronic geophysical equipment to the oil and gas industry. Sunada provides turnkey electronic surface and subsurface data collection systems. Its product line consists of three main systems—electronic, battery powered, memory pressure/temperature probe (MODEL STI8000); real-time, conductor line pressure/temperature surface and subsurface probes (MODEL STIRTP); and radio telemetry systems for remote data transmission. These products have applications in the production and service sectors. Field results show that users enjoy a reliability/success rate of more than 98 percent.

## Sussex Manufacturing Ltd.

P.O. Box 692, Industrial Park  
Sussex, New Brunswick  
Canada E0E 1P0

Telephone: (506) 432-1130  
Facsimile: (506) 432-1135  
Contact: Marc Blanchard, Vice  
President

Sussex Manufacturing Ltd. is a manufacturer of waste oil refiners. The Shurtleff SX 302 Waste Oil Refiner was designed for ease of operation and servicing. Encased in detachable metal panels, the mechanism is assembled to facilitate the service or replacement of any part. Parts, piping and switches are readily available at any hardware dealer virtually anywhere in the world. The main components are a waste oil storage tank, cracking chamber, combustion chamber, heat exchangers, refined end-product storage tank, bleed-off line, and piping. The SX 302 Refiner was designed to operate 24 hours/day, with approximately 5 percent downtime for cleaning. All plumbing parts are of the highest quality durable metals and

routine operation can be mastered in a short period of time.

## Taro Industries Ltd., Rostel Industries Division

4535 - 8A Street N.E.  
Calgary, Alberta  
Canada T2E 4J6

Telephone: (403) 276-9785  
Facsimile: (403) 230-0877  
Contact: Lloyd Bridge, Sales  
Representative

Rostel Industries was founded as a private company in 1976 before becoming a division of Taro Industries Ltd. in 1985. It designs, manufactures and repairs oil and gas drilling rig equipment to meet or exceed API specifications. Rostel has complete machining, fabrication, mechanical and inspection facilities. The company has successfully served the drilling industry in Western Canada and the U.S. and many countries in Europe and Asia.

## Tarton Engineering Corporation Ltd.

11, 1915 - 32nd Avenue N.E.  
Calgary, Alberta  
Canada T2E 7C8

Telephone: (403) 250-7915  
Facsimile: (403) 250-1194  
Contact: James Shedden, Vice  
President, Marketing

Tartan Engineering Corporation Ltd., established in 1977, serves the energy processing industry by providing complete turnkey engineering and management services in the area of oil and gas surface facilities and pipelines. The company offers a proven track record of engineering and management expertise which includes process, civil, mechanical and electrical engineering disciplines. Management functions include conceptual/feasibility studies, economic evaluations, budgeting, cost control, procurement, and expediting and inspection.

## Techno Scientific Inc.

60 Caster Avenue  
Woodbridge, Ontario  
Canada L4L 5Y9

Telephone: (416) 851-9958  
Facsimile: (416) 851-6314  
Contact: David Johnston, Marketing  
Manager

Founded in 1980, Techno Scientific Inc. (TSI) is an advanced technology firm that specializes in non-destructive testing systems, robotic systems and sensors. TSI's non-destructive testing system design, development and service capabilities include ultrasonics and eddy current.

## Telematic Controls Inc.

2, 9804 - 47th Avenue  
Edmonton, Alberta  
Canada T6E 5P3

Telephone: (403) 436-0511  
Facsimile: (403) 436-9039  
Contact: Brian L. McClelland,  
General Manager

Telematic Controls Inc. has been manufacturing a standard line of thermal dispersion flow and level switches and mass flowmeters for more than 20 years. The company exports to the U.S., U.S.S.R., and China.

## Terra Linda Canada, Inc.

600, 510 - 5th Street S.W.  
Calgary, Alberta  
Canada T2P 3S2

Telephone: (403) 262-2170  
Facsimile: (403) 262-3549  
Contact: Deborah Miles, President

Terra Linda Canada, Inc. is a geophysical company formed in 1988 and is a leader in AVO seismic technology. It holds the exclusive licence to the newly developed and patented seismic geophone. The OMNIPHONE is a three-component geophone with a polarization filter that sends the three data components down a single line or channel. It is the first and only seismic geophone to have a computer and signal processor as part of the device. This product eliminates the need for two-thirds of the costly field equipment in three-component seismic recording and improves the quality of recorded seismic

data. Used in the oil industry, the OMNIPHONE is available for distribution worldwide.

## Terra Surveys Limited

2060 Walkley Road  
Ottawa, Ontario  
Canada K1G 3P5

Telephone: (613) 731-9571  
Facsimile: (613) 731-0453  
Telex: 053-3502  
Answer Back: geoterra  
Contact: J.R. Depper, President

Established in 1966, Terra Surveys Limited provides consulting, engineering and technical services in the photogrammetric, hydrographic and geophysical fields. As one of Canada's largest resource mapping and development organizations, the firm is particularly oriented to the provision of surveying, mapping and engineering services for G.I.S. projects. It is equipped with modern air survey cameras, ground and airborne geodetic survey units, precise photogrammetric instrumentation, a complete photographic laboratory and a data processing facility. Their Hydrographic Division provides a complete surveying service in all waters—offshore, coastal, inland and Arctic. Its capabilities in collecting and compiling hydrographic data have been proven in numerous projects, such as charting, drill site investigations, pipe and transmission line crossings and environmental assessments.

## The Armstrong Monitoring Corporation

215 Colonnade Road South  
Nepean, Ontario  
Canada K2E 7K3

Telephone: (613) 225-9531  
Facsimile: (613) 225-6965  
Contact: William L. Armstrong, Vice  
President and General  
Manager

Established in 1981, The Armstrong Monitoring Corporation has become an industry leader in the development and manufacture of hazardous gas and vapour monitoring systems. Armstrong's diverse product line allows it to meet gas and monitoring requirements for a wide range of industries, including petrochemical. Designed to provide choice and flexibility

to the customer, the product line includes portable and hand-held units, fixed multipoint systems in rack or wallmount configurations, and sensor/transmitter units that can be interfaced with building management systems or data acquisitions equipment.

## Thermo Design Engineering Ltd.

P.O. Box 5557, Station L  
Edmonton, Alberta  
Canada T6C 4E9

Telephone: (403) 440-6064  
Facsimile: (403) 440-1657  
Telex: 037-2966  
Contact: Brent Gibson, Sales  
Manager

Thermo Design Engineering Ltd. and its 90 employees provide detailed engineering, design and fabrication services to the petroleum and petrochemical industries worldwide. The company specializes in natural gas processing facilities and equipment for LPG recovery, acid gas sweetening, sulphur recovery, dehydration and separation.

## Timberland Equipment Limited

459 Industrial Avenue  
Woodstock, Ontario  
Canada N4S 7Z2

Telephone: (519) 537-6262  
Facsimile: (519) 539-5853  
Telex: 064-74133  
Answer Back: telcot wdk  
Contact: James R. Leslie, Vice  
President and Marketing  
Manager

Since 1947, Timberland Equipment Limited has earned an international reputation for the design and development of heavy equipment for various applications. The company's cranes, winches and custom built blocks have assisted in the construction of numerous offshore oil drilling platforms.

## Top-Co Industries Ltd.

7720 - 17th Street  
Edmonton, Alberta  
Canada T6P 1S7

Telephone: (403) 440-4440  
Facsimile: (403) 440-4443  
Telex: 037-3842  
Answer Back: topco edm  
Contact: Bob Ryll, Export Sales  
Manager

Top-Co Industries Ltd., a manufacturer of primary cementing equipment, was established in 1963 and exports its equipment worldwide. The company manufactures a complete line of primary cementing equipment, float shoes and collars, guide shoes, stage collars, plug dropping heads, welded and non-weld centralizers, and a complete line of casing scratchers, stop collars and cement baskets.

## Topco Oilsite Sales Ltd.

3603 - 2nd Street N.E.  
Calgary, Alberta  
Canada T2E 3H6

Telephone: (403) 230-1558  
Facsimile: (403) 230-4591  
Contact: Rick Kane, General  
Manager

Topco Oilsite Sales Ltd. is dedicated to manufacturing high quality products, as well as formulating new compounds and sealants to meet the changing requirements of the oil and gas industry. It has successfully developed a line of high temperature products for heavy oil projects, a 'dry' lubricant used in transportation, and a non-lead tubing and casing compound. The company assists in any technical matters related to thread compounding and specialty lubricants. Technical seminars are conducted for drilling and servicing contractors, supply stores and oil companies. Its products and services have been provided to clients in the U.S., U.S.S.R. and India.

## Travis Chemicals Inc.

1900, 777 - 8th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3R5

Telephone: (403) 263-8660  
Facsimile: (403) 233-7011  
Telex: 038-25587  
Contact: Jack Curr, International  
Division Manager

Travis Chemicals Inc. owns and operates two chemical manufacturing facilities and is a diversified supplier and manufacturer of specialty chemicals. Travis also supplies technical services internationally and has developed a network of field blending facilities and distribution centres. The company operates a research and development laboratory for field services, and manufactures and supplies oil and gas production specialty chemicals, gas and oil process chemicals, additives for drilling fluids/acidizing products, and products for heavy industry water treatment. The company provides its products and services to Canada, China, the U.S.S.R., Cuba, the Middle East, Indonesia, India and Pakistan.

## Trecan Combustion Limited

6685 Millcreek Drive, Unit 6  
Mississauga, Ontario  
Canada L5N 5M5

Telephone: (416) 826-8631  
Facsimile: (416) 826-8631  
Contact: P.B. Miller, General  
Manager

Trecan Combustion Limited offers extensive experience in the design, manufacture, installation and commissioning of industrial combustion equipment and services to clients in Canada, the U.S. and Asia. It specializes in providing engineered solutions to complex combustion problems, often on a turnkey basis. The equipment is used extensively in refineries and the petrochemical industry and includes incinerators for liquid, gaseous and solid wastes; and burners (oil, gas, dual fuel) for fired heaters, reformers and steam generators.

## Tri Ocean Engineering Ltd.

600, 926 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 0N7

Telephone: (403) 266-4400  
Facsimile: (403) 266-5525  
Telex: 03-822798  
Answer Back: tri ocean  
Contact: R.A. McBeth, Principal

Tri Ocean Engineering Ltd. is comprised of a highly skilled group of professionals who provide comprehensive engineering and project management services to the petroleum industry on a worldwide basis. Their experience and expertise is primarily related to evaluation, detailed design and management services for offshore production and drilling systems; Arctic production and drilling systems; conventional oil and gas gathering, treating and secondary recovery facilities; offshore and onshore exploratory drilling and field development; and feasibility studies, development plans and emergency response planning. The company offers complete project support through all stages of a project from preliminary engineering and economics evaluation through detail design, installation and start up. The full scope of services can be made available under a project management arrangement—expert supervision and direction of a project while the client retains full control of major decisions.

## Trimac Limited, Kenting Hi-Tower Drilling Division

1610, 300 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2V8

Telephone: (403) 298-5266  
Facsimile: (403) 298-5258  
Telex: 03-825633  
Answer Back: trimac ho cgy  
Contact: A.D. Tyson, Vice President

Kenting Hi-Tower Drilling is a major Canadian drilling organization. Kenting and its affiliates own 85 land drilling rigs and currently are operating 57 rigs in Canada, 20 in the U.S. and eight in the U.K., Europe and the Middle East. Kenting has drilled more than 4 000 wells in Canada and more than 350 in the U.S. Its international operations commenced in 1972 and it has drilled over 650 wells in Europe and Africa. Since 1983, the company has provided 130

personnel to operate and maintain the semi-submersible *Kulluk* and the mobile Arctic Caisson *Molikpaq* offshore rigs which are operating in the Beaufort Sea. Kenting has been contracted by more than 300 oil, gas and geothermal energy producing companies.

## **Tubetest Service & Supply Ltd.**

6774 - 52nd Avenue  
Red Deer, Alberta  
Canada T4N 4K9

Telephone: (403) 346-6161  
Facsimile: (403) 347-3740  
Contact: Mitch Sullivan, President

Tubetest Service & Supply Ltd. was incorporated in 1961 as a service and supply company to the oil and gas industry. In 1965, they expanded their services to the Canadian East Coast and offshore Beaufort Sea, and now serve clients worldwide. Their *Tubetest (P.T.C.) Power Thread Cleaner* is a convenient, ruggedly designed, light weight and performance proven system for cleaning all types and sizes of threaded connections in preparation for inspection and make-up. P.T.C.'s special brush and solvent system thoroughly cleans in 5 to 15 seconds per thread. All dirty solvent is collected, filtered and recycled, resulting in no spillage on the rig floor or in the ocean.

## **Tydac Technologies Inc.**

1600 Carling Avenue, Suite 310  
Ottawa, Ontario  
Canada K1Z 8R7

Telephone: (613) 722-7472  
Facsimile: (613) 722-8682  
Contact: Giulio Maffini, President

Established in 1982, Tydac Technologies Inc. specializes in the development of Geographic Information System (GIS) software and related applications. Tydac's main product is *SPANS™* (SPatial ANALYSIS System). *SPANS* and its related software packages are designed for GIS professionals who want a stand-alone desktop workstation with strong data integration, analysis and modelling capabilities. *SPANS* can rapidly process complex geographically referenced databases in all three key data structures (vector, raster and quadtree), along with images of varying resolution. More than 800 *SPANS* systems have been installed in more than 37 countries. Tydac provides a

full range of GIS support services with *SPANS*, including training, hot lines, applications consulting, database development and customized software.

## **United Corrosion Corporation**

P.O. Box 5560, Station L  
Edmonton, Alberta  
Canada T6C 4E9

Telephone: (403) 440-1356  
Facsimile: (403) 440-4413  
Contact: Tom Burke, Manager,  
Finance and  
Administration

United Corrosion Corporation specializes in products and services related to corrosion and serves Canada, the U.S. and Asia. Its subsidiary company, United Corrosion Consultants Ltd. concentrates on cathodic protection and internal corrosion monitoring. Utilizing specialized products and procedures, internal and external corrosion control measures can be implemented. Its approach is to undertake and evaluate corrosion problems; then it engineers, designs and installs a cathodic protection system. It also supplies rectifiers, anodes, coke breeze and all other materials used in the cathodic protection industry.

Another subsidiary company, United Pipeline Systems Inc., installs high density polyethylene liners into pipelines to prevent internal corrosion of the pipeline. It concentrates on oil field water injection and water disposal systems. The advantages to its liner system include relatively few joints; the integrity of the liner can be monitored with the venting system.

## **United Resource Safety Limited**

340, 525 - 28th Street S.E.  
Calgary, Alberta  
Canada T2A 6W9

Telephone: (403) 273-7774  
Facsimile: (403) 273-0963  
Telex: 038-21501  
Contact: Fred S. Farmer, Marketing  
Manager

United Resource Safety Limited, established in 1987, provides safety inspections, emergency response plans, on-site inspections, gas plant services (H<sub>2</sub>S drilling,

drill stem testing, etc.), loss control management and safety training. These services are provided in Canada, the U.S., Asia, South America and Africa.

## **Universal Industries Ltd.**

P.O. Box 1590  
Lloydminster, Saskatchewan  
Canada S9V 1K5

Telephone: (306) 875-6161  
Facsimile: (306) 875-6169  
Contact: Rod Steward, Manager,  
Sales and Marketing

Universal Industries Ltd. are leaders in the manufacture, supply and service of process equipment for heavy oil projects. Their equipment includes oil field pumping units, tankage pressure vessels, treaters, production well testing equipment, and desanding equipment. Established in 1949, the company serves Canadian, U.S. and Caribbean clients.

## **Universal Systems Ltd.**

270 Rookwood Avenue  
Fredericton, New Brunswick  
Canada E3B 2M2

Telephone: (506) 458-8533  
Facsimile: (506) 459-3849  
Telex: UC 7601184  
Answer Back: usls

Universal Systems Ltd., incorporated in 1979, develops and markets digital mapping and Geographic Information Systems. The basis of these systems is their software package entitled *CARIS (Computer Aided Resource Information System)*. Disciplines where *CARIS* can be applied include topographic mapping, geology, cadastral mapping and data management, hydrographic charting, and environmental sciences. The company conducts research into improved techniques for *CARIS* functionality and provides integrated solutions to clients interested in GIS technology. These solutions involve the assembly and integration of hardware and software solutions and the provision of training, support, software development services and consulting programs. The provision of consulting services in the field of spatial information systems includes the review of emerging technology to the prototype user requirements within a controlled pilot study. The company and its

representatives market and support *CARIS* worldwide.

## Universe Machine Corporation

5546 - 89th Street  
Edmonton, Alberta  
Canada T6E 5P9

Telephone: (403) 468-5211  
Facsimile: (403) 468-5430  
Contact: Kurt Feigel, President

Universe Machine Corporation manufactures and repairs medium to large machinery, including valves, material handling equipment and various other products for the pipeline, oil field, petrochemical, and steel fabrication. The company's products and services include custom valve manufacture, custom equipment manufacture, valve hydrostatic test equipment, welding and positioning equipment, oil field casing equipment, specialized hydraulic machinery, valve repair, machining and grinding, fabrication, and heavy equipment repair and assembly. The company and its 80 employees export to the U.S. and Australia.

## Valmet Automation (Canada) Ltd., Valmet-Sentrol Division

1, 6325 - 12th Street S.E.  
Calgary, Alberta  
Canada T2H 2K1

Telephone: (403) 253-8848  
Facsimile: (403) 259-2926  
Telex: 03-825784

Contact: David P. Jardine, Vice  
President, Marketing,  
Sales & Service

Valmet-Sentrol Division has been building and installing Supervisory Control and Data Acquisition (SCADA) systems for oil and gas pipeline/production since 1971. A *SAGE* SCADA system provides the accurate metering information essential in the operation of distribution and transmission lines. Field devices connect directly to Remote Terminal Units (RTUs) for accurate flow data to provide total control from a central location. A family of *SAGE* RTU 800s handle field applications from the wellhead to the consumer. The RTUs are fully integrated and can handle both control and monitoring at compressors or pump

stations. Powerful software executes pipeline start up and shut-down procedures, and coordinates station control. A dynamic pipeline model for leak detection is also available.

## Vancouver Shipyards Co. Ltd.

50 Pemberton Avenue  
North Vancouver, British Columbia  
Canada V7P 2R2

Telephone: (604) 988-6361  
Facsimile: (604) 984-1843  
Telex: 04-352532  
Answer Back: seaspan vcr  
Contact: Bill Armstrong, Marketing  
Supervisor

Incorporated in 1902, Vancouver Shipyards Co. Ltd. has established itself as one of the foremost shipbuilding and ship repair operations on the Pacific coast. The company also constructs offshore platforms and platform modules, and provides complete engineering services.

## Variperme (Canada) Limited

8, 3424 - 26th Street N.E.  
Calgary, Alberta  
Canada T1Y 4T7

Telephone: (403) 250-7263  
Facsimile: (403) 250-9695  
Contact: Perry Parker, International  
Marketing

Variperme (Canada) Limited specializes in sand control equipment for the oil and gas industry. Incorporated in 1968, the company has supplied products and technical expertise throughout Western Canada, the U.S., Caribbean and the Middle East. Variperme can offer a wide range of products and services from open-hole gravel packs, cased-hole barefoot completions, or engineering support for completion designs. Variperme manufactures all of its own wire-wrapped screen, pre-pack equipment and liner hangers. The company offers its expertise in heavy oil thermal projects, high volume conventional oil and gas wells and domestic water well programs. Variperme's reaction time throughout the world is excellent because products are manufactured in-house and are shipped under a general export permit.

## Velan Inc.

2125, promenade Ward  
Montreal, Quebec  
Canada H4M 1T6

Telephone: (514) 748-7743  
Facsimile: (514) 748-7743  
Telex: 05-835668

Contact: Thomas C. Velan, Vice  
President, Export Sales

Velan Inc. is one of the world's largest manufacturers of industrial valves, and exports to 60 countries. Established in 1950 as a supplier of nuclear valves, the company applies the same expertise and strict quality control in the production of gate, check, knife gate and ball valves (manual and automated) in carbon, stainless or alloy steel, and in sizes ranging from 0.25 to 36 in. Velan ball valves feature a patented seal design which guarantees long cycle life, low operation torque, and bubble tight shut-off. Velan also offers stainless steel gate, globe and check valves for corrosive service, as well as specialty products, such as metal-seated ball valves, bellows seal valves, cryogenic and slurry valves.

## Veritas Seismic (1987) Ltd.

615 - 3rd Avenue S.W.  
Calgary, Alberta  
Canada T2P 0G6

Telephone: (604) 266-9200  
Facsimile: (604) 266-9292  
Contact: Judi MacDonald,  
Marketing Manager

Veritas Seismic (1987) Ltd. is a comprehensive seismic processing service company. Established in 1975, the company has 76 professional and support staff. The company has gained worldwide expertise over the years, processing seismic data on all major continents and offshore reserves. Veritas is an acknowledged leader in seismic technology. Through ongoing in-house research and development programs and improved hardware capability and capacity, all 2D and 3D services provide the best data interpretation available.

## Viking Pump Company of Canada Ltd.

661 Grove Avenue  
Windsor, Ontario  
Canada N9A 6M3

Telephone: (519) 256-5438  
Facsimile: (519) 256-5070  
Contact: David Booth, Vice  
President, Export Sales

Viking Pump Company of Canada Ltd. manufactures rotary gear pumps, centrifugal pumps and regenerative turbine pumps. These products have been made in Canada since 1924 and are competitive in world markets. Rotary gear pumps are available to 750 USGPM pressures to 200 psi and viscosities to 1 000 000 ssu. Viking supplies the oil industry in Canada and the U.S. with pumps for gathering crude oil, trucking and transportation by ship and rail, and pipeline oil and oil products. Its products are used widely in oil and grease manufacturing.

## Volcano Energy Systems Inc.

4300, promenade Beaudry  
St-Hyacinthe, Quebec  
Canada J2S 8A5

Telephone: (514) 774-5326  
Facsimile: (514) 774-3887  
Contact: Henri Reiher, General  
Manager, Marketing and  
Sales

Volcano Energy Systems Inc. specializes in the manufacture of tubes, plate and structural steel, including boilers, pressure vessels, heat exchangers and tanks for the petrochemical industry, environmental works, incineration and various other industrial and commercial clients. Their equipment is exported to the U.S., Mexico and Africa.

## Walker Steel Corporation

2210, 510 - 5th Avenue S.W.  
Calgary, Alberta  
Canada T2P 2R7

Telephone: (403) 264-4146  
Facsimile: (403) 269-4224  
Telex: 03824869  
Contact: John Badger, Technical  
Services

Walker Steel Corporation has 100 employees, was established in 1979, and is now a major manufacturer of wellhead equipment, gate valves and swivel joints. The company exports to the U.S.

## Walters Oil Tool Machine Ltd.

9924 - 29th Avenue  
Edmonton, Alberta  
Canada T6N 1A2

Telephone: (403) 462-4744  
Facsimile: (403) 462-4746  
Contact: Wally Walters, President

Walters Oil Tool Machine Ltd. has served the oil, gas and mining industries in Canada, the U.S., U.S.S.R., U.K., Asia and Africa since 1957. The company manufactures downhole tools, drill stem testing tools, shock subs, directional drilling tools, rotary subs and oil field accessories, core barrels, stabilizers and surface equipment.

## Weatherford Oil Tool Co. Ltd.

14435 - 116th Avenue  
Edmonton, Alberta  
Canada T5M 3E8

Telephone: (403) 455-2176  
Facsimile: (403) 452-6830  
Telex: 037-2868  
Answer Back: wotcoedm  
Contact: Dick Goebel, Assistant  
General Manager

Weatherford Oil Tool Co. Ltd. has been serving the Canadian oil industry for more than 40 years and exports its products and services to all major oil producing countries. The company is Canada's largest tubular running service organization and has equipment and crews available in all active exploration and producing areas. Hydraulic power tongs are used for threaded connections. Comprehensive service packages are available which cover all of the tools and services needed to successfully run casing and completion strings. The company is an industry leader in technology related to the make-up and installation of oil field tubulars. This is important technology because casing and tubing strings constitute a high percentage of the total cost of well drilling. The company also manufactures a complete line of mechanical cementation

products and other specialty tools used in oil and gas exploration and development.

## Wega-D Geophysical Ltd.

100, 1301 - 8th Street S.W.  
Calgary, Alberta  
Canada T2R 1B7

Telephone: (403) 228-9448  
Facsimile: (403) 228-6468  
Telex: 03-825865  
Answer Back: intcan cgy  
Contact: Werner J.M. Wenzil,  
President

Wega-D Geophysical Ltd. offers a new, patented electrical geophysical technology for oil and gas exploration. Using computerized pattern recognition, the technology determines the probability of finding hydrocarbons at a given location by comparing a template of deep geochemical alteration responses associated with hydrocarbon occurrence to nearby barren areas. The technology is useful for diagnosing the hydrocarbon potential of seismically defined structures or where seismic is non-diagnostic. The system has been successfully employed to locate new hydrocarbon reserves to depths of 3 500 m in Eastern Europe, the Middle East and Canada.

## Weir-Jones Engineering Consultants Ltd.

1574 West 2nd Avenue  
Vancouver, British Columbia  
Canada V6J 1H2

Telephone: (604) 732-8821  
Facsimile: (604) 732-4801  
Contact: Keith Witney, Manager,  
Engineering

Since 1971, Weir-Jones Engineering Consultants Ltd. has performed a number of investigations for and provided equipment and services to the oil and gas industry. These have primarily involved the measurement, display and analysis of stress, movement and vibrations in structures and machinery, including gas pipelines and compressor stations. The company will conduct specialized tests, such as pipe-burst instrumentation, blow down tests and heat loss studies.

Structural monitoring systems have been designed, manufactured and installed on offshore structures, including Jackup leg load monitoring systems, as well as Arctic



ice, geotechnical and structural systems. These systems have emphasized real-time engineering information displays for on-site information, as well as archival data for later analysis. Specialized instruments are also designed and manufactured to meet specific needs. The company has instrumentation development laboratories, including mechanical and electronic test facilities, as well as a full vibration and temperature environmental qualification facility.

### **Weldco Limited, Weldco-Beales Division**

*3202 Beta Avenue  
Burnaby, British Columbia  
Canada V5G 4K4*

*Telephone: (604) 294-2222  
Facsimile: (604) 294-1292  
Contact: Paul Cox, Vice President,  
Marketing and Sales*

The Weldco-Beales Division of Weldco Limited is an established organization with 45 years of attachment design and custom manufacturing experience. It offers an extensive line of material handling products for the resource industries throughout North America. The company will convert standard machines into unique problem solvers. For loaders and excavators, it manufactures a variety of work tools—from versatile quick coupler systems to a comprehensive line of buckets and material handling grapples.

### **Wellmaster Pipe and Supply Inc.**

*62 Goshen Street  
Tillsonburg, Ontario  
Canada N4G 4J1*

*Telephone: (519) 688-0500  
Facsimile: (519) 688-0563  
Telex: 064-73538  
Answer Back: wellmster tln  
Contact: James McKenzie,  
President*

Wellmaster Pipe and Supply Inc. was established in 1949 and manufactures API oilwell casing and tubing couplings in sizes ranging from 2 3/8 in. EUE to 16 in. OD in 8 round and buttress threads. Grades manufactured are K-55, N-80, L-80, C-95 and P-110. The unique chucking arrangement in Wellmaster's manufacturing

procedure assures perfect thread alignment. All Wellmaster couplings have their own serial number for complete traceability. The company has shipped their API couplings to Asia, South America, the U.K., Europe and the U.S.

### **Wells-Hall Fabrication and Construction Ltd.**

*6115 - 30th Street  
Edmonton, Alberta  
Canada T6P 1J8*

*Telephone: (403) 465-3391  
Facsimile: (403) 465-3402  
Contact: John Wells, President*

Wells-Hall Fabrication and Construction Ltd. design and fabricate oil and gas wellhead production equipment. This equipment includes horizontal and vertical gas and oil separators, horizontal and vertical emulsion treaters, glycol dehydrators, and indirect fired heaters. The company and its 60 employees target the Canadian, U.S., U.S.S.R. and Asian markets.

### **Western Instruments, Inc.**

*100, 10411 - 178th Street  
Edmonton, Alberta  
Canada T5S 1R5*

*Telephone: (403) 484-2410  
Facsimile: (403) 484-3386  
Contact: M.B. Palyinchuk, Sales  
Manager*

Western Instruments, Inc., established in 1966, builds testing systems for the tube and pipe industry. The company is now recognized worldwide for its weld testing equipment and for its ultrasonic testing systems for tube and pipe. The function of this equipment is to test longitudinal resistance and fusion type welds for defects, lamination in the body, and drawing the profile of the weld to provide the welder operator with the location of existing problems in the product. Another product is the *Flash Gauge*. This unit measures the thickness of the tube around the weld area and draws a graphical representation of the weld profile to determine whether the trim condition is accurate to specification. All mechanical and electronic designs are on CAD systems and digital electronics with the integration of computers.

### **Westinghouse Canada Inc., Power Generation Division**

*110 King Street West  
Hamilton, Ontario  
Canada L8N 3K2*

*Telephone: (416) 528-8811  
Facsimile: (416) 528-3415  
Telex: 061-8832  
Answer Back: wecan  
Contact: T. Beese, Manager, Power  
Equipment Marketing*

Westinghouse Canada Inc.'s Power Generation Division manufactures heavy industrial gas turbine generator sets (50 MW class) and steam turbine generators (less than 100 MW) for 50 and 60 Hz markets. Parts and service support for this equipment is provided worldwide.

### **Wheatley Canada Ltd.**

*4616 Manhattan Road S.E.  
Calgary, Alberta  
Canada T2G 4B4*

*Telephone: (403) 243-4236  
Facsimile: (403) 243-4236  
Telex: 03-821521  
Answer Back: wheatly cgy  
Contact: Jim Keating, Material  
Supervisor*

Wheatley Canada Ltd. has been operating in Canada since 1947. It operates a manufacturing facility and a pump fabrication facility. In 1988, the company was recognized as the first and only Canadian manufacturer of horizontal swing check valves registered under the CSA Z299.3 quality program and the ISO 9003 quality program. In 1990, it expanded its quality program to include the plunger pump product line under CSA Z299.3. The company offers a broad range of quality valve and pumping products. A line of 36 low profile plunger pumps are available to fit an endless list of pumping applications, including glycol systems, hydraulic systems, CO<sub>2</sub> injection, salt water injection and disposal, LPG storage and pipelines, crude oil transfer and high-pressure boiler feed pumps.

## Wire Rope Industries Ltd.

5501 Trans Canada Highway  
Pointe Claire, Quebec  
Canada H9R 1B7

Telephone: (514) 697-9711  
Facsimile: (514) 697-6779  
Contact: Kevin Tellier, Manager,  
International Sales

Wire Rope Industries Ltd. was established in 1886. The company is the largest wire rope manufacturer in Canada and it operates two plants and 20 service centres in Canada and the U.S. The company has one of the most extensive product lines in the business and manufactures a full range of ropes for oil drilling. The company is active on all continents.

## Zeton Inc.

4129 Harvester Road  
Burlington, Ontario  
Canada L7L 5M3

Telephone: (416) 632-3123  
Facsimile: (416) 632-0301  
Telex: 061-8678  
Answer Back: ZETON INC  
BURL  
Contact: David Beckman, Vice  
President

Zeton Inc. provides automated pilot plant systems to oil refining, petrochemical and chemical clients worldwide. The company was formed in 1986 and has earned a reputation for building pilot plants and other systems on a small scale to a high level of quality and operability. The company provides a full turnkey service in the provision of its pilot plants and other small scale, skid-mounted systems, including design studies, detailed engineering, manufacture, installation, commissioning, start up and operator training. Zeton also provides field service for existing plants. The majority of Zeton's products are exported. It is represented by agents in more than 30 countries.

## Zimmark Inc.

4380 South Service Road  
Burlington, Ontario  
Canada L7L 5Y6

Telephone: (416) 632-5410  
Facsimile: (416) 632-5171  
Contact: Lowell A. Wilson,  
President

Zimmark Inc. has automated the procedures for oil clarification and recovery. Zimmark has installed systems in every major rail yard in Canada and in rail yards in the U.S. and the Far East. Transit companies, marine/naval shipping, and countries producing electric power with diesel generators are considering the system. Significant cost savings are realized and toxic waste volumes are reduced. The reclamation process recovers 90 percent of used lube oil for continued use and involves laundering the oil with the help of a chemical coagulant, heat and time. After dirt and metal contaminants have been removed, the recycled oil is blended with new oil at a ratio of 1:4. The process does not remove additives that are still active. Zimmark will install, operate and manage the system, working closely with shop management personnel. The system produces detailed analysis and quality assurance reports.

# **Products and Services Index**

## Manufactured Equipment/ Products

### Exploration

#### Analytical Equipment

Alpine Subsurface Electronics Inc.  
Computalog Ltd.  
CPW Valve & Instrument Ltd.  
D.B. Robinson Design &  
Manufacturing Ltd.  
Drilltel Systems Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments  
Pason Well Services Ltd.  
Rayonics Scientific Inc.  
Tydac Technologies Inc.

#### Geophysical Equipment

Canterra Equipment Inc.  
DIPIX Technologies Inc.  
George E. Failing Supply  
Company  
Petrocraft Products Ltd.  
Sunada Tech Inc.  
Terra Linda Canada, Inc.  
Walters Oil Tool Machine Ltd.  
Wega-D Geophysical Ltd.

#### Survey Equipment

Veritas Seismic (1987) Ltd.  
Walters Oil Tool Machine Ltd.

#### Other

Almecon Industries Limited  
Imperial Rubber Co. Ltd., Girard  
Polly-Pig Canada Division  
ITT Canon Canada Limited  
RSI Research Ltd.

## Drilling/Completion/ Production

#### Analysis

#### Equipment/Instrumentation

Alpine Subsurface Electronics Inc.  
Chimo Equipment Ltd.  
Computalog Ltd.  
CPW Valve & Instrument Ltd.  
Drilltel Systems Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments  
Pason Well Services Ltd.  
Walters Oil Tool Machine Ltd.

#### Bottom Hole Pumps/Pumping Units

Kudu Industries Inc.  
Lift Systems International Ltd.  
Mandarin Oilfield Services Ltd.  
Premetalco Inc., Exchanger  
Industries Division

Universal Industries Ltd.  
Viking Pump Company of Canada  
Ltd.

#### Cementing Equipment/Parts/Supplies

Canadian Fracmaster Ltd.  
GN Corporations Inc.  
Imperial Rubber Co. Ltd., Girard  
Polly-Pig Canada Division  
Import Tool Corporation, Ltd.  
Quebec Tools Corporation  
Top-Co Industries Ltd.  
Weatherford Oil Tool Co. Ltd.

#### Completion Equipment/Products

Canadian Fracmaster Ltd.  
FRE Pultrusions Inc.  
GN Corporations Inc.  
Gris Gun Manufacturing Ltd.  
Hangwell Coil Tubing Services  
Ltd.  
Proficient Oil Tools Ltd.  
Variperem (Canada) Limited

#### Drill Bits

Diamant Boart Stratabit Ltd.  
Hobic Oil Bit Industries Corp.  
RockBit Industries of Canada  
(1985) Ltd.  
Strata Drill Ltd.

#### Drill Rig Components

Brittania Compression Industries  
Ltd.  
Canadian Rig Ltd.  
CPW Valve & Instrument Ltd.  
Dreco Energy Services Ltd.  
Epton Industries Inc.  
Galaxy Oilfield Service Ltd.  
GN Corporations Inc.  
John T. Hepburn, Limited  
Lantec Industries Inc.  
Matt's Manufacturing Ltd.  
Nabors Drilling Limited  
National-Oilwell Canada Ltd.  
Pason Well Services Ltd.  
Quality Fabricating & Supply  
Limited  
Quebec Tools Corporation  
Ramsay Machine Works Ltd.  
Simmons Group Inc.  
Taro Industries Ltd., Rostel  
Industries Division  
Walters Oil Tool Machine Ltd.  
Weatherford Oil Tool Co. Ltd.

#### Drilling Rigs

Barber Industries Ltd.  
Canadian Rig Ltd.  
Canterra Equipment Inc.

Dreco Energy Services Ltd.  
George E. Failing Supply  
Company  
Matt's Manufacturing Ltd.  
Nabors Drilling Limited  
National-Oilwell Canada Ltd.  
Quality Fabricating & Supply  
Limited  
Quebec Tools Corporation

Simmons Group Inc.  
Taro Industries Ltd., Rostel  
Industries Division

#### **Mud Equipment**

Dreco Energy Services Ltd.  
M & M Manufacturing Ltd.  
Partnership  
Taro Industries Ltd., Rostel  
Industries Division

#### **Pipe**

Bedarco McGruer Inc.  
FRE Pultrusions Inc.  
IPSCO Inc.  
M & M Manufacturing Ltd.  
Partnership  
MIL Group Inc.  
National-Oilwell Canada Ltd.  
Stelco Inc., Stelpipe Division

#### **Sand Control Equipment**

Cardium Tool Services Inc.  
Universal Industries Ltd.  
Variperm (Canada) Limited

#### **Prime Movers**

Cullen Canadian Inc.

#### **Service Rigs**

Bovar Inc., Mainland  
Manufacturing Division  
Dreco Energy Services Ltd.  
George E. Failing Supply  
Company  
Matt's Manufacturing Ltd.  
Nabors Drilling Limited

#### **Sucker Rods** (*incl. scrapers, rotators, guides, etc.*)

Dover Corporation (Canada) Ltd.,  
Alberta Oil Tool Division  
FRE Pultrusions Inc.  
Positive Action Tool Western  
Limited

#### **Testing**

##### **Equipment/Controls/Sensors**

AIM Safety Company Inc.  
Barber Industries Ltd.  
Beta Monitors & Controls Ltd.  
Camrose Electric Controls Ltd.  
Datek Industries Limited  
Diamant Boart Stratabit Ltd.  
Labsoft Inc.  
Mandarin Oilfield Services Ltd.  
Norward Energy Services Ltd.  
Proficient Oil Tools Ltd.  
Quinn Testers Ltd.  
Universal Industries Ltd.

Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division

#### **Tubulars/Parts/Accessories**

Canadian Fracmaster Ltd.  
Canadian Swabmaster Products  
Ltd.  
Fintube Inc., Biraghi Canada  
Division  
Hangwell Coil Tubing Services  
Ltd.  
Kubota Metal Corporation,  
Fahramet Division  
Rebound Rig International Ltd.  
Select Energy Systems Inc.  
Weatherford Oil Tool Co. Ltd.

#### **Wellheads/Wellhead**

##### **Equipment/Wellhead Servicing Tools/Equipment**

Barber Industries Ltd.  
Camrose Electric Controls Ltd.  
Canadian Swabmaster Products  
Ltd.  
Galaxy Oilfield Service Ltd.  
George E. Failing Supply  
Company  
GN Corporations Inc.  
Hangwell Coil Tubing Services  
Ltd.  
Positive Action Tool Western  
Limited  
Stream-Flo Industries Ltd.  
Walker Steel Corporation  
Wells-Hall Fabrication and  
Construction Ltd.

#### **Wireline & Logging Units**

Alpine Subsurface Electronics Inc.  
Baroid Corporation of Canada,  
Ltd.  
BPB Instruments (Canada) Ltd.  
Computalog Ltd.  
GN Corporations Inc.  
Matt's Manufacturing Ltd.  
Pandit International  
Proficient Oil Tools Ltd.

#### **Other**

##### **Drilling/Completion/Production Equipment**

Alco Gas & Oil Production  
Equipment Ltd.  
Argo Sales Ltd.  
Barber Industries Ltd.  
Bovar Inc., Mainland  
Manufacturing Division  
Canadian Fracmaster Ltd.  
Challenger International Services  
Ltd.  
Dreco Energy Services Ltd.

Farr Canada Ltd.  
Four M Oilfield Services Ltd.  
Iron Horse Compression Ltd.  
ITT Canon Canada Limited  
Maloney Steel Ltd.  
Master Flo Valve Inc.  
Matt's Manufacturing Ltd.  
National-Oilwell Canada Ltd.  
Newco Safety Tel Inc.  
Opsco Industries Ltd.  
Universe Machine Corporation  
Pullmaster Winch Corporation

## Offshore

### Cranes

John T. Hepburn, Limited  
National-Oilwell Canada Ltd.  
Quality Fabricating & Supply  
Limited  
Quebec Tools Corporation  
Ramsay Machine Works Ltd.  
Timberland Equipment Ltd.  
Universe Machine Corporation

### Electronic Equipment

Alpine Subsurface Electronics Inc.  
Cullen Canadian Inc.  
Datek Industries Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments  
Ramsay Machine Works Ltd.  
Rayonics Scientific Inc.  
Telematic Controls Inc.  
Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division

### Platforms

M & M Manufacturing Ltd.  
Partnership  
MIL Group Inc.  
Quality Fabricating & Supply  
Limited  
Quebec Tools Corporation  
Vancouver Shipyards Co. Ltd.

### Platform Modules

Dreco Energy Services Ltd.  
M & M Manufacturing Ltd.  
Partnership  
MIL Group Inc.  
Propak Systems Ltd.  
Quality Fabricating & Supply  
Limited  
Quebec Tools Corporation  
Ramsay Machine Works Ltd.  
Vancouver Shipyards Co. Ltd.

### Subsea Equipment

Alpine Subsurface Electronics Inc.

El-Mac Pacific Distributors Ltd.  
GN Corporations Inc.  
Lantec Industries Inc.  
M & M Manufacturing Ltd.  
Partnership  
MIL Group Inc.  
National-Oilwell Canada Ltd.  
RSI Research Ltd.

### Thrusters

Quebec Tools Corporation

### Winches

John T. Hepburn, Limited  
Lantec Industries Inc.  
Matt's Manufacturing Ltd.  
Pullmaster Winch Corporation  
Timberland Equipment Ltd.

### Other Offshore Equipment

Cullen Canadian Inc.  
Farr Canada Ltd.  
ITT Canon Canada Limited  
Maloney Steel Ltd.  
Newco Safety Tel Inc.  
Pullmaster Winch Corporation  
Timberland Equipment Ltd.

## Pipeline

### Coating and Wrapping Materials

Caproco (1987) Limited  
Milton Roy Industries Ltd.  
Plainsman Manufacturing Ltd.  
Shaw Pipe Protection Ltd.,  
CANUSA Division

### Compressor, Station and Components

Alberta Compressor Valve Co. Ltd.  
Cantech Environmental Systems  
Inc.  
CPW Valve & Instrument Ltd.  
Cullen Canadian Inc.  
Hall Compressors Canada Limited  
I.P. Constructors Ltd.  
Indutech Canada Limited  
Iron Horse Compression Ltd.  
Premetalco Inc., Exchanger  
Industries Division  
Ramsay Machine Works Ltd.  
Telematic Controls Inc.

### Controls/Control Systems

Bailey Canada Inc.  
Barber Industries Ltd.  
Bovar Inc., Western Research  
Division  
Bristol Babcock  
Camrose Electric Controls Ltd.

Datek Industries Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments  
Raffin Electric Co. Ltd.  
RSI Research Ltd.  
Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division

### Heavy Equipment

Bedarco McGruer Inc.  
Canadian Foremost Ltd.  
El-Mac Pacific Distributors Ltd.  
Matt's Manufacturing Ltd.  
Quebec Tools Corporation

### Pipe

Argo Sales Ltd.  
Bedarco McGruer Inc.  
FRE Pultrusions Inc.  
Galaxy Oilfield Service Ltd.  
Henderson, Barwick Inc.  
Indutech Canada Limited  
IPSCO Inc.  
MIL Group Inc.  
National-Oilwell Canada Ltd.  
O'Connor Tanks Limited  
Prudential Steel Ltd.  
Stelco Inc., Stelpipe Division

### Valves and Pipe Fittings

Canadoil Forge Ltée  
Century Valve and Machine Co.  
Ltd.  
Dover Corporation (Canada) Ltd.,  
Alberta Oil Tool Division  
Galaxy Oilfield Service Ltd.  
Indutech Canada Limited  
Master Flo Valve Inc.  
National-Oilwell Canada Ltd.  
Reflange (Canada) Inc.  
Velan Inc.

### Welding/Testing Systems

Bedarco McGruer Inc.  
Techno Scientific Inc.  
Western Instruments, Inc.

### Other Pipeline Equipment

Banister Inc., Footage Tools  
Division  
Iron Horse Compression Ltd.  
RSI Research Ltd.

## Refinery/Processing

### Controls

Allen-Bradley Canada Limited  
Bailey Canada Inc.  
Bovar Inc., Western Research  
Division

Bristol Babcock  
Camrose Electric Controls Ltd.  
Century Valve and Machine Co.  
Ltd.  
CPW Valve & Instrument Ltd.  
Datek Industries Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments  
Raffin Electric Co. Ltd.  
Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division

**Control Systems**

Alco Gas & Oil Production  
Equipment Ltd.  
Allen-Bradley Canada Limited  
Bailey Canada Inc.  
Bovar Inc., Western Research  
Division  
Bristol Babcock  
Datek Industries Limited  
Raffin Electric Co. Ltd.  
Telematic Controls Inc.  
Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division

**LNG Fuel Systems**

Cryogas Engineering Ltd.  
Propak Systems Ltd.

**Pipe**

Argo Sales Ltd.  
Bedarco McGruer Inc.  
FRE Pultrusions Inc.  
Galaxy Oilfield Service Ltd.  
Henderson, Barwick Inc.  
Luff Industries Ltd.  
M & M Manufacturing Ltd.  
Partnership  
MIL Group Inc.  
National-Oilwell Canada Ltd.  
Stelco Inc., Stelpipe Division

**Processing Plants**

Alco Gas & Oil Production  
Equipment Ltd.  
Maloney Steel Ltd.  
Propak Systems Ltd.

**Storage Systems—Bulk**

081639 Ontario Limited, Northway  
Industries Division  
Acier A/N Steel Inc.  
Argo Sales Ltd.  
Bedarco McGruer Inc.  
Dacro Industries Ltd.  
Double T Equipment  
Manufacturing Ltd.  
Hooper Welding Enterprises  
Limited  
Luff Industries Ltd.  
MIL Group Inc.  
Universal Industries Ltd.

**Storage Systems—Warehouse**

081639 Ontario Limited, Northway  
Industries Division  
Argo Sales Ltd.

**Towers/Separators**

081639 Ontario Limited, Northway  
Industries Division  
264333 Alberta Ltd., Wabash  
Oilfield Service Division  
Alco Gas & Oil Production  
Equipment Ltd.  
AMS Industries Ltd.  
Argo Sales Ltd.  
Barber Industries Ltd.  
Bedarco McGruer Inc.  
Cessco Fabrication and  
Engineering Ltd.  
Dacro Industries Ltd.  
Hangwell Coil Tubing Services  
Ltd.  
Hooper Welding Enterprises  
Limited  
I.P. Constructors Ltd.  
Koch Engineering Company  
Limited  
Luff Industries Ltd.  
M & M Manufacturing Ltd.  
Partnership  
Maloney Steel Ltd.  
Nardei Fabricators Ltd.  
Opsco Industries Ltd.  
Quebec Tools Corporation  
Universal Industries Ltd.  
Wells-Hall Fabrication and  
Construction Ltd.

**Valves**

081639 Ontario Limited, Northway  
Industries Division  
Bailey Canada Inc.  
Century Valve and Machine Co.  
Ltd.  
Chinook Industrial Supplies Ltd.  
Galaxy Oilfield Service Ltd.  
GN Corporations Inc.

Lynx Tool Company Ltd.  
Master Flo Valve Inc.  
National-Oilwell Canada Ltd.  
Nutron Manufacturing Ltd.  
Plainsman Manufacturing Ltd.  
Reflange (Canada) Inc.  
Universe Machine Corporation  
Velan Inc.

### **Waste Oil Refining Systems**

Sussex Manufacturing Ltd.  
Zimmark Inc.

### **Other Refinery/Processing Equipment**

Barber Industries Ltd.  
Century Valve and Machine Co. Ltd.  
El-Mac Pacific Distributors Ltd.  
Fintube Inc., Biraghi Canada Division  
I.P. Constructors Ltd.  
ITT Canon Canada Limited  
Nardei Fabricators Ltd.  
Opsco Industries Ltd.  
Raffin Electric Co. Ltd.  
Trecan Combustion Limited  
Wells-Hall Fabrication and Construction Ltd.

## **Tar Sands Mining**

### **Conveyors**

081639 Ontario Limited, Northway Industries Division  
Double T Equipment Manufacturing Ltd.  
Luff Industries Ltd.  
Quality Fabricating & Supply Limited  
Quebec Tools Corporation  
Ramsay Machine Works Ltd.

### **Heavy Equipment**

Canadian Foremost Ltd.  
Cessco Fabrication and Engineering Ltd.  
Hooper Welding Enterprises Limited  
Koch Engineering Company Limited  
Lantec Industries Inc.  
Quebec Tools Corporation

### **Other Tar Sands Mining Equipment**

Barber Industries Ltd.  
Indutech Canada Limited  
Matt's Manufacturing Ltd.  
Pullmaster Winch Corporation  
Raffin Electric Co. Ltd.

## **Other Field/Offshore/Processing Equipment/Products**

### **Instrumentation/Sensors/Controls/Monitors**

A. Comeau & Associates Ltd.  
AGAT Laboratories  
Allen-Bradley Canada Limited  
Alpine Subsurface Electronics Inc.  
B&W Technologies Ltd.  
Bailey Canada Inc.  
Beta Monitors & Controls Ltd.  
Bovar Inc., Western Research Division  
CPW Valve & Instrument Ltd.  
D.B. Robinson Design & Manufacturing Ltd.  
Drilltel Systems Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments

### **Chemicals/Fluids/Sealants/Cement**

Baker Hughes Canada Inc.,  
Milpark Drilling Fluids Division  
Canadian Fracmaster Ltd.  
Canadian International Fluid Services Inc.  
FRC Composites Limited  
Topco Oilsite Sales Ltd.  
Travis Chemicals Inc.

### **Communications Equipment**

Allen-Bradley Canada Limited  
Newco Safety Tel Inc.  
Spilsbury Communications Ltd.

### **Compressors/Parts**

081639 Ontario Limited, Northway Industries Division  
Brittania Compression Industries Ltd.  
Canterra Equipment Inc.  
Chinook Industrial Supplies Ltd.  
Hall Compressors Canada Limited  
Iron Horse Compression Ltd.  
National-Oilwell Canada Ltd.  
Zeton Inc.

### **Corrosion Prevention Equipment/**

**Tools/Products/Instruments**  
Caproco (1987) Limited  
FRC Composites Limited  
ITT Industries of Canada Ltd.,  
ITT Barton Instruments  
Russell Technologies Inc.  
Shaw Pipe Protection Ltd.,  
CANUSA Division  
United Corrosion Corporation

### **Electrical/Electronic Equipment**

A. Comeau & Associates Ltd.

Allen-Bradley Canada Limited  
Datek Industries Limited  
Ener-Rig Electrical Supply Ltd.  
NRL Ltd.  
Raffin Electric Co. Ltd.

### **Electronic Integration Equipment**

BMP Energy Systems Ltd.

### **Filtration**

**Systems/Equipment/Products**  
3-L Filters Limited  
Cantech Environmental Systems Inc.  
Dacro Industries Ltd.  
Rayonics Scientific Inc.

### **Gas Detection/Leak Equipment**

B&W Technologies Ltd.  
Banister Inc., Footage Tools Division  
Drilltel Systems Limited



### Heat Exchangers/Heaters

Alco Gas & Oil Production  
Equipment Ltd.  
Bedarco McGruer Inc.  
Canadian Blower/Canada Pumps  
Limited  
Cis Can Sales (Western) Ltd.  
Dreco Energy Services Ltd.  
Fintube Inc., Biraghi Canada  
Division  
Henderson, Barwick Inc.  
Hooper Welding Enterprises  
Limited  
Isko Heat Exchangers Ltd.  
Koch Engineering Company  
Limited  
Lister Industries Ltd.  
M & M Manufacturing Ltd.  
Partnership  
Opsco Industries Ltd.  
Premetalco Inc., Exchanger  
Industries Division  
Propak Systems Ltd.  
Starozik Industries Ltd., Ruffneck  
Heaters Division  
Volcano Energy Systems Inc.

### Hoses

Epton Industries Inc.

### Laboratory Equipment/Products

D.B. Robinson Design &  
Manufacturing Ltd.  
Petrocraft Products Ltd.  
Rayonics Scientific Inc.

### Material Handling/Storage Equipment/Systems

King Equipment Manufacturing  
Corp.  
Ramsay Machine Works Ltd.  
Universe Machine Corporation  
Weldco Limited, Weldco-Beales  
Division

### Piping System Specialty Items

Master Flo Valve Inc.  
Rice Engineering & Operating Ltd.

### Polyurethane/Urethane Products

Chimo Polyurethanes Ltd.  
Chinook Industrial Supplies Ltd.  
George E. Failing Supply  
Company  
Imperial Rubber Co. Ltd., Girard  
Polly-Pig Canada Division

### Portable Structures

Dreco Energy Services Ltd.  
Sprung Instant Structures Ltd.

### Power Systems

Cullen Canadian Inc.  
Global Thermoelectric Inc.  
Westinghouse Canada Inc., Power  
Generation Division

### Pumps (All Kinds) and/or Specialized Pump Parts

Canadian Blower/Canada Pumps  
Limited  
Dreco Energy Services Ltd.  
Dresser Canada Inc., Dresser  
Pump Division  
EnviroSeal Engineering Products  
Ltd.  
Import Tool Corporation, Ltd.  
Milton Roy Industries Ltd.  
National-Oilwell Canada Ltd.  
Phillips Cables Limited  
Plainsman Manufacturing Ltd.  
Smart Turner Limited  
Taro Industries Ltd., Rostel  
Industries Division  
Wheatley Canada Ltd.

### Specialized Clothing (*Land and Sea*)

Emery Apparal Canada Inc.  
International Hard Suits Inc.

### Specialized

#### Fittings/Couplings/Connectors

303007 Ontario Ltd., Forex  
Machine and Tool Co. Division  
Chase Manufacturing Inc.  
Galaxy Oilfield Service Ltd.  
GN Corporations Inc.  
ITT Canon Canada Limited  
Reflange (Canada) Inc.  
Wellmaster Pipe and Supply Inc.

#### Specialized Vehicles

Bombardier Inc.  
Canadian Foremost Ltd.  
RSI Research Ltd.

### Specialty Tools

AIM Safety Company Inc.  
Bovar Inc., Western Research  
Division  
Canadian Tool & Die Ltd.  
Dreco Energy Services Ltd.  
El-Mac Pacific Distributors Ltd.  
National-Oilwell Canada Ltd.  
Weatherford Oil Tool Co. Ltd.

### Spill Response/Recovery Equipment/Supplies

Aqua-Guard Technologies Inc.

Geopetrol Marketing &  
Distributing Ltd., North-Tech  
Environmental Division  
Hi-Point Industries Ltd.  
Lister Industries Ltd.  
Morris International Trading Ltd.  
Zimmark Inc.

### Tanks/Containers/Vessels

081639 Ontario Limited, Northway  
Industries Division  
Acier A/N Steel Inc.  
Bedarco McGruer Inc.  
Fintube Inc., Biraghi Canada  
Division  
Henderson, Barwick Inc.  
Hooper Welding Enterprises  
Limited  
Luff Industries Ltd.  
MIL Group Inc.  
O'Connor Tanks Limited  
Propak Systems Ltd.  
SEI Industries Ltd.  
Universal Industries Ltd.  
Volcano Energy Systems Inc.

### Trucks/Tankers/Trailers

264333 Alberta Ltd., Wabash  
Oilfield Service Division  
F C Manufacturing Ltd.  
Hutchinson Body, Mudguard and  
Radiator Works Ltd.  
King Equipment Manufacturing  
Corp.  
MIL Group Inc.  
Pacific Truck & Trailer Ltd.

### Vehicular Equipment

264333 Alberta Ltd., Wabash  
Oilfield Service Division  
Bombardier Inc.  
I.M.W. Industries Ltd.  
King Equipment Manufacturing  
Corp.  
Seatronics Technologies Ltd.  
SEI Industries Ltd.

### Wire Rope

National-Oilwell Canada Ltd.  
Wire Rope Industries Ltd.

## Supply

(Note: available for lease or supplied  
as part of a service.)

### Chemicals/Fluids

Baroid Corporation of Canada,  
Ltd.  
Canadian Fracmaster Ltd.

Fleming Oilfield Services Ltd.,  
Reef Mud Division  
Newsco Well Service Ltd.

#### **Drilling Equipment/Tools**

Baroid Corporation of Canada,  
Ltd.  
Canadian Marine Drilling Ltd.  
Challenger International Services  
Ltd.  
Dreco Energy Services Ltd.  
Foothills Diamond Coring Ltd.  
Jacques/McClelland Geosciences  
Inc.  
Nabors Drilling Limited  
Newsco Well Service Ltd.  
Penetrators Canada Inc.  
Sierra Drilling Ltd.  
Trimac Limited, Kenting Hi-Tower  
Drilling Division

#### **Electronics—Specialty Items**

Simmons Group Inc.

#### **Inspection/Testing Equipment**

Canspec Group Inc.  
Chambers Engineering Ltd.  
ECS-Power Systems Inc.  
Gentronics Petroleum Services  
Limited  
Norward Energy Services Ltd.  
Newsco Well Service Ltd.  
Opsco Industries Ltd.

Russell Technologies Inc.  
Solid Resources Limited

#### **Instrumentation**

Chambers Engineering Ltd.  
Geotechnical Resources Ltd.  
Terra Linda Canada, Inc.  
Wega-D Geophysical Ltd.

#### **Instruments**

Raffin Electric Co. Ltd.  
Rayonics Scientific Inc.  
Sunada Tech Inc.  
The Armstrong Monitoring  
Corporation  
Weir-Jones Engineering  
Consultants Ltd.  
Zimmark Inc.

#### **Pollution Control Equipment**

Atlantic Towing Ltd.  
Fleming Oilfield Services Ltd.,  
Reef Mud Division

#### **Safety Equipment**

Newsco Well Service Ltd.  
Russell Technologies Inc.

#### **Specialty Tools**

Drill-Rite Industries (1985) Ltd.  
Newsco Well Service Ltd.

#### **Specialty Vehicles**

BeauDril (1987) Limited  
ECS-Power Systems Inc.  
Jacques/McClelland Geosciences  
Inc.

#### **Tanks (All Kinds)**

Baker Hughes Canada Inc.,  
Milpark Drilling Fluids Division

#### **Transportation/Distribution/Storage**

Atlantic Towing Ltd.  
ECS-Power Systems Inc.  
Nabors Drilling Limited  
Newsco Well Service Ltd.

#### **Trucks/Trailers/Tankers**

264333 Alberta Ltd., Wabash  
Oilfield Service Division  
Challenger International Services  
Ltd.  
Dreco Energy Services Ltd.  
Matt's Manufacturing Ltd.  
Nabors Drilling Limited  
Newsco Well Service Ltd.

## **Information Products/Sources**

**Software Products** (may include  
hardware and customization,  
installation and support services)

A. Comeau & Associates Ltd.  
Bailey Canada Inc.  
BMP Energy Systems Ltd.  
Bristol Babcock  
D&S Petroleum Consulting Group  
Ltd.  
Datek Industries Limited  
DIPIX Technologies Inc.  
ECS-Power Systems Inc.  
Hyprotech Ltd.  
INTERA Information Technologies  
Corporation  
Marshall Macklin Monaghan  
Limited  
McElhanney Geosurveys Ltd.  
Monenco Limited  
Novacorp International Consulting  
Inc.  
Predictive Maintenance  
Corporation  
Riley's Datashare International  
Ltd.  
Sandwell Inc.  
SIMTECH Consulting Services  
Ltd.  
Tydac Technologies Inc.  
Universal Systems Ltd.  
Valmet Automation (Canada) Ltd.,  
Valmet-Sentrol Division

#### **Data/Information Available**

INTERA Information Technologies  
Corporation  
Riley's Datashare International  
Ltd.

## Services

### Field/Offshore/Processing

#### Construction (Large Scale)

Centre for Frontier Engineering Research  
Cessco Fabrication and Engineering Ltd.  
International Cooling Tower Inc.  
MacDonald Engineering Group Ltd.  
Mega Engineering Ltd.  
MIL Group Inc.  
Pillar Oilfield Projects Ltd.  
Propak Systems Ltd.  
Tarton Engineering Corporation Ltd.  
Vancouver Shipyards Co. Ltd.

#### Corrosion

#### Monitoring/Detection/Engineering Services

Associated Corrosion Consulting Ltd.  
Canspec Group Inc.  
Caproco (1987) Limited  
Corrosion Service Co. Ltd.  
Russell Technologies Inc.  
S.N. Hanson Group Enterprises Ltd.  
United Corrosion Corporation

#### Drilling

#### Services—Arctic/Offshore

BeauDril (1987) Limited  
Challenger International Services Ltd.  
Drill-Rite Industries (1985) Ltd.  
Nabors Drilling Limited  
Trimac Limited, Kenting Hi-Tower Drilling Division

#### Drilling Services—Land

Baroid Corporation of Canada, Ltd.  
Canadian Rig Ltd.  
Challenger International Services Ltd.  
Computalog Ltd.  
Foothills Diamond Coring Ltd.  
Nabors Drilling Limited  
Sierra Drilling Ltd.  
Simmons Group Inc.  
Trimac Limited, Kenting Hi-Tower Drilling Division

#### Equipment Welding and/or Repair Service

A.R.D. Industries Ltd.  
Condor Machinery (1985) Ltd.  
International Cooling Tower Inc.  
Marystown Shipyard Limited  
Matt's Manufacturing Ltd.  
National-Oilwell Canada Ltd.  
Taro Industries Ltd., Rostel Industries Division  
Tubetest Service & Supply Ltd.  
Universe Machine Corporation

#### Gas Detection/Leak Services

B&W Technologies Ltd.  
Canspec Group Inc.  
NowSCO Well Service Ltd.

#### Oil Rig Maintenance

Challenger International Services Ltd.  
Marystown Shipyard Limited  
MIL Group Inc.

#### Well Completion Services

Challenger International Services Ltd.  
Hangwell Coil Tubing Services Ltd.  
Penetrators Canada Inc.  
Variperm (Canada) Limited  
Weatherford Oil Tool Co. Ltd.

#### Well Production Services

Challenger International Services Ltd.  
Norward Energy Services Ltd.  
NowSCO Well Service Ltd.  
Opsco Industries Ltd.

#### Wireline and Logging Services

BPB Instruments (Canada) Ltd.  
Computalog Ltd.  
Drilltel Systems Limited  
Opsco Industries Ltd.  
Plains Perforating Ltd.  
Solid Resources Limited

#### Other Field/Offshore/Processing Services

Canadian Fracmaster Ltd.  
Canadian International Fluid Services Inc.  
Marystown Shipyard Limited  
Weatherford Oil Tool Co. Ltd.

## Consulting

#### Arctic and Offshore Consulting

Brooke Ocean Technology Ltd.  
CAEC Arctic Engineering Inc.  
Canadian Marine Drilling Ltd.  
CanOcean Engineering Limited  
Canpolar Inc.  
Geonautics Limited  
Jacques, Whitford Group Ltd.  
Jacques/McClelland Geosciences Inc.  
MacLaren Plansearch Limited  
MIL Group Inc.  
Quantel Engineering (1981) Ltd.  
RSI Research Ltd.

S.N. Hanson Group Enterprises Ltd.  
Seatronics Technologies Ltd.  
Tri Ocean Engineering Ltd.  
Universal Systems Ltd.  
Weir-Jones Engineering Consultants Ltd.

**Data Analysis Services**

AGAT Laboratories  
Bercha International Inc.  
CAEC Arctic Engineering Inc.  
D&S Petroleum Consulting Group Ltd.  
Digitech Information Services Ltd.  
ECS-Power Systems Inc.  
Geophysics GPR International Inc.  
Geotechnical Resources Ltd.  
Hyprotech Ltd.  
INTERA Information Technologies Corporation  
Jacques, Whitford Group Ltd.  
Jacques/McClelland Geosciences Inc.  
Koch Engineering Company Limited  
MacLaren Plansearch Limited  
Predictive Maintenance Corporation  
Pulsesearch Consolidated Technology Ltd.  
Riley's Datashare International Ltd.  
Sander Geophysics Limited  
Seatronics Technologies Ltd.  
Servipetrol Ltd.  
Terra Linda Canada, Inc.  
Terra Surveys Limited  
Universal Systems Ltd.  
Weir-Jones Engineering Consultants Ltd.

**Legal Services**

ICI Construction Economists of America, Inc.  
McDaniel & Associates Consultants Ltd.

**Project Management/Contract Maintenance/Construction Management**

Bzh Petroleum Consultants Ltd.  
CAEC Arctic Engineering Inc.  
Canuck GIE Engineering Ltd.  
Catalytic Maintenance Inc.  
Challenger International Services Ltd.  
Control Engineering Inc.  
Delta Projects Inc.  
Dilcon Constructors Ltd.  
ECS-Power Systems Inc.

Environmental Technologies Inc.  
Fluor Daniel Canada, Inc.  
Frontier Engineering & Consulting Ltd.  
Hardy BBT Limited  
Hyprotech Ltd.  
ICI Construction Economists of America, Inc.  
Kilborn Inc.  
MacDonald Engineering Group Ltd.  
Mega Engineering Ltd.  
Monenco Limited  
Novacorp International Consulting Inc.  
Pandit International  
Partec Lavalin Inc.  
Propak Systems Ltd.  
Quantel Engineering (1981) Ltd.  
S.N. Hanson Group Enterprises Ltd.  
Sierra Drilling Ltd.  
Sproule Associates Limited  
Tarton Engineering Corporation Ltd.  
Vancouver Shipyards Co. Ltd.

**Surveys/Remote Sensing/Positioning**

Bercha International Inc.  
Canpolar Inc.  
Challenger Surveys & Services Ltd.  
Dacro Industries Ltd.  
Geonautics Limited  
INTERA Information Technologies Corporation  
Marshall Macklin Monaghan Limited  
McElhanney Geosurveys Ltd.  
Nortech Surveys (Canada) Inc.  
Pulsesearch Consolidated Technology Ltd.  
Sander Geophysics Limited  
Terra Surveys Limited  
Universal Systems Ltd.

**Training Services**

A. Comeau & Associates Ltd.  
Adlog Inc.  
Associated Corrosion Consulting Ltd.  
Bennett Environmental Consultants Ltd.  
BMP Energy Systems Ltd.  
Canadian Fracmaster Ltd.  
Chambers Engineering Ltd.  
Control Engineering Inc.  
D&S Petroleum Consulting Group Ltd.  
Drill-Rite Industries (1985) Ltd.

Fleming Oilfield Services Ltd., Reef Mud Division  
Fluor Daniel Canada, Inc.  
Frontier Engineering & Consulting Ltd.  
Geopetrol Marketing & Distributing Ltd., North-Tech Environmental Division  
Geophysics GPR International Inc.  
Geotechnical Resources Ltd.  
INTERA Information Technologies Corporation  
Intercomp Resource Development & Engineering Ltd.  
International Radiography and Inspection Services (1976) Ltd.  
Lambton College—Fire, Safety and Environmental Division  
MacDonald Engineering Group Ltd.  
Morris International Trading Ltd.  
Nabors Drilling Limited  
Novacorp International Consulting Inc.  
Newsco Well Service Ltd.  
Quinn Testers Ltd.  
Servipetrol Ltd.  
Shaw Pipe Protection Ltd., CANUSA Division  
Stelco Inc., Stelpipe Division  
Topco Oilsite Sales Ltd.  
Tydac Technologies Inc.  
United Resource Safety Limited

**Other Consulting Specialties**

Acres International Limited  
Adlog Inc.  
Aqua-Guard Technologies Inc.  
Associated Corrosion Consulting Ltd.  
Bzh Petroleum Consultants Ltd.  
Caproco (1987) Limited  
Corrosion Service Co. Ltd.  
D&S Petroleum Consulting Group Ltd.  
Dacro Industries Ltd.  
Delta Projects Inc.  
Fluor Daniel Canada, Inc.  
Frontier Engineering & Consulting Ltd.  
Hardy BBT Limited  
Hyprotech Ltd.  
Intercomp Resource Development & Engineering Ltd.  
Jacques, Whitford Group Ltd.  
Jacques/McClelland Geosciences Inc.  
Kilborn Inc.  
McDaniel & Associates Consultants Ltd.

Novacorp International Consulting Inc.  
Partec Lavalin Inc.  
Quantel Engineering (1981) Ltd.  
Servipetrol Ltd.  
Sproule Associates Limited  
Tarton Engineering Corporation Ltd.  
United Resource Safety Limited

## Consulting Engineers

A. Comeau & Associates Ltd.  
Acres International Limited  
Associated Corrosion Consulting Ltd.  
Baker Hughes Canada Inc.,  
Milpark Drilling Fluids Division  
Bennett Environmental Consultants Ltd.  
Canspec Group Inc.  
Canuck GIE Engineering Ltd.  
Centre for Frontier Engineering Research  
CH2M Hill Engineering Ltd.  
Control Engineering Inc.  
Corrosion Service Co. Ltd.  
Cryogas Engineering Ltd.  
Delta Projects Inc.  
Drilltel Systems Limited  
ECS-Power Systems Inc.  
Environmental Technologies Inc.  
Fluor Daniel Canada, Inc.  
Frontier Engineering & Consulting Ltd.  
Gentronics Petroleum Services Limited  
Geotechnical Resources Ltd.  
Hycal Energy Research Laboratories Ltd.  
Hyprotech Ltd.  
Intercomp Resource Development & Engineering Ltd.  
Jacques, Whitford Group Ltd.  
Kilborn Inc.  
MacLaren Plansearch Limited  
McDaniel & Associates Consultants Ltd.  
Mega Engineering Ltd.  
MIL Group Inc.  
Norwest Engineering Ltd.  
Novacorp International Consulting Inc.  
Partec Lavalin Inc.  
Propak Systems Ltd.  
Pulsesearch Consolidated Technology Ltd.  
Quantel Engineering (1981) Ltd.  
S.N. Hanson Group Enterprises Ltd.  
Sandwell Inc.

Simmons Group Inc.  
SIMTECH Consulting Services Ltd.  
Sproule Associates Limited  
Tarton Engineering Corporation Ltd.  
Tri Ocean Engineering Ltd.  
Weir-Jones Engineering Consultants Ltd.

## Engineering

### Artic/Ice Engineering

Acres International Limited  
Bercha International Inc.  
Brooke Ocean Technology Ltd.  
C.M.E.L. Enterprises Ltd.  
CAEC Arctic Engineering Inc.  
Canadian Marine Drilling Ltd.  
Canpolar Inc.  
Centre for Frontier Engineering Research  
ECS-Power Systems Inc.  
Jacques, Whitford Group Ltd.  
MIL Group Inc.  
Nabors Drilling Limited  
Sandwell Inc.  
Tri Ocean Engineering Ltd.  
Weir-Jones Engineering Consultants Ltd.

### Electronics Design/Integration

Brooke Ocean Technology Ltd.  
Weir-Jones Engineering Consultants Ltd.

### Engineering

#### Dynamics/Mathematics

#### Modelling

C.M.E.L. Enterprises Ltd.  
Centre for Frontier Engineering Research  
D&S Petroleum Consulting Group Ltd.  
Hycal Energy Research Laboratories Ltd.  
MacLaren Plansearch Limited  
Seatronics Technologies Ltd.  
Weir-Jones Engineering Consultants Ltd.

### Geophysical Services

CAEC Arctic Engineering Inc.  
Capilano Geophysical Ltd.  
Geonautics Limited  
Geophysics GPR International Inc.  
Geotechnical Resources Ltd.  
Intercomp Resource Development & Engineering Ltd.  
Jacques, Whitford Group Ltd.

Jacques/McClelland Geosciences Inc.  
McElhanney Geosurveys Ltd.  
Mega Engineering Ltd.  
Pulsesearch Consolidated Technology Ltd.  
Pulsonic Geophysical Ltd.  
Sander Geophysics Limited  
Servipetrol Ltd.  
Sproule Associates Limited

## Inspection/Testing Services

Canspec Group Inc.  
Chambers Engineering Ltd.  
FRE Pultrusions Inc.  
Gentronics Petroleum Services Limited  
Hardy BBT Limited  
International Cooling Tower Inc.  
International Pipeline Engineering Limited  
International Radiography and Inspection Services (1976) Ltd.  
Mandarin Oilfield Services Ltd.  
MIL Group Inc.  
Quinn Testers Ltd.  
Solid Resources Limited  
United Resource Safety Limited

## Maintenance/Planning/Scheduling Services

Adlog Inc.  
Canadian Marine Drilling Ltd.  
Canspec Group Inc.  
Cessco Fabrication and Engineering Ltd.  
Challenger International Services Ltd.  
M & M Manufacturing Ltd.  
Partnership  
Nabors Drilling Limited  
Predictive Maintenance Corporation

## Offshore/Subsea Engineering

Acres International Limited  
Brooke Ocean Technology Ltd.  
C.M.E.L. Enterprises Ltd.  
CAEC Arctic Engineering Inc.  
Canadian Marine Drilling Ltd.  
CanOcean Engineering Limited  
Canpolar Inc.  
ECS-Power Systems Inc.  
MIL Group Inc.  
Nabors Drilling Limited  
Newsco Well Service Ltd.  
RSI Research Ltd.  
Seatronics Technologies Ltd.  
Tri Ocean Engineering Ltd.

## Other Engineering Specialties

A. Comeau & Associates Ltd.  
Baker Hughes Canada Inc.,  
Milpark Drilling Fluids Division  
Bovar Inc., Western Research  
Division  
Brooke Ocean Technology Ltd.  
C.M.E.L. Enterprises Ltd.  
Chambers Engineering Ltd.  
Control Engineering Inc.  
Cougar Tool Inc.  
Cryogas Engineering Ltd.  
D&S Petroleum Consulting Group  
Ltd.  
Delta Projects Inc.  
ECS-Power Systems Inc.  
Fleming Oilfield Services Ltd.,  
Reef Mud Division  
Global Thermoelectric Inc.  
Hycal Energy Research  
Laboratories Ltd.  
Hyprotech Ltd.  
I.P. Constructors Ltd.  
International Cooling Tower Inc.  
Jacques, Whitford Group Ltd.  
Kilborn Inc.  
MacDonald Engineering Group  
Ltd.  
MacLaren Plansearch Limited  
McDaniel & Associates  
Consultants Ltd.  
MIL Group Inc.  
Monenco Limited  
Norwest Engineering Ltd.  
Novacorp International Consulting  
Inc.  
Newsco Well Service Ltd.  
Partec Lavalin Inc.  
Phillips Cables Limited  
Propak Systems Ltd.  
Pulsearch Consolidated  
Technology Ltd.  
Quantel Engineering (1981) Ltd.  
Simmons Group Inc.  
Terra Surveys Limited  
Thermo Design Engineering Ltd.  
Vancouver Shipyards Co. Ltd.  
Variperm (Canada) Limited

## Information/Software

### Data Acquisition and/or Processing Services

BMP Energy Systems Ltd.  
D&S Petroleum Consulting Group  
Ltd.  
Digitech Information Services Ltd.  
Monenco Limited  
Pulsonic Geophysical Ltd.  
Riley's Datashare International  
Ltd.

Sander Geophysics Limited  
Wega-D Geophysical Ltd.

### Software Engineering Service

BMP Energy Systems Ltd.  
Bristol Babcock  
Canspec Group Inc.  
Challenger Surveys & Services  
Ltd.  
Chambers Engineering Ltd.  
Control Engineering Inc.  
D&S Petroleum Consulting Group  
Ltd.  
Hycal Energy Research  
Laboratories Ltd.  
Hyprotech Ltd.  
MacDonald Engineering Group  
Ltd.  
MacLaren Plansearch Limited  
Monenco Limited  
Novacorp International Consulting  
Inc.  
Predictive Maintenance  
Corporation  
Pulsearch Consolidated  
Technology Ltd.  
Pulsonic Geophysical Ltd.  
Sander Geophysics Limited  
Sandwell Inc.  
Servipetrol Ltd.  
SIMTECH Consulting Services  
Ltd.  
Tydac Technologies Inc.  
Universal Systems Ltd.

## Castings and/or Metal Fabrication Services

081639 Ontario Limited, Northway  
Industries Division  
CAE Machinery Ltd.  
Hooper Welding Enterprises  
Limited  
Integra Castings Inc.  
Kubota Metal Corporation,  
Fahramet Division  
Marystown Shipyard Limited  
Nardei Fabricators Ltd.  
Quality Fabricating & Supply  
Limited  
Quebec Tools Corporation  
Ramsay Machine Works Ltd.  
Thermo Design Engineering Ltd.

## Support Services

### Charter Services

Atlantic Towing Ltd.

## Spill Control/Site Cleanup/Oil Recovery Services

Aqua-Guard Technologies Inc.  
Bennett Environmental  
Consultants Ltd.  
Bzh Petroleum Consultants Ltd.  
Environmental Technologies Inc.  
Fleming Oilfield Services Ltd.,  
Reef Mud Division  
Fluor Daniel Canada, Inc.  
Geopetrol Marketing &  
Distributing Ltd., North-Tech  
Environmental  
Hardy BBT Limited  
Novacorp International Consulting  
Inc.  
RSI Research Ltd.  
Tubetest Service & Supply Ltd.  
Zimmark Inc.

### Trading/Export Services

Metro International Trading  
Company  
Mitrade Export Inc.  
Pandit International  
Qualitas International Inc.  
S.I.R. Locator Service Sourcing &  
Purchasing Inc.

### Other Support Services

Indutech Canada Limited  
Island Sandblasting (1987) Ltd.  
O'Connor Tanks Limited

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