

The lead company of the group is AMTEK Management Inc, providing professional engineering and management services to both government and industry. The company specializes in the application of advanced management techniques in the fields of Integrated Logistics Support (ILS) and project/proposal management. Services offered include:

- Full range of ILS Services
- Proposal Preparation and Assistance
- Program and Procurement Management
- Configuration Management
- Technical Publications
- Training
- Data Management Systems
- Logistics Support Monitoring
- Life Cycle Support Management

AMTEK Testware is a new Edmonton-based company created to provide engineering services in sophisticated Automatic Test Equipment (ATE) and software development. It will cross-fertilize with Alberta companies and assist in the diversification of Western industries.

LODAY is a dynamic company applying advanced project management techniques and systems. LODAY provides a full business management approach to the development of systems and procedures for project management, system engineering, configuration management, data management, CPM network planning and control and program management requirement preparation.

AVERAGE WORK FORCE: 100 (Professional Engineers, Technologists and support staff)

GROSS SALES: 1986 – \$2.8M
1987 – \$3.2M

PLANT SIZE: 32,000 Sq Ft

EQUIPMENT: No Data

EXPERIENCE: AMTEK clientele includes the Department of National Defence, Department of Supply and Services, Canadian Marconi, Hughes Aircraft, British Aerospace, Paramax, Oerlikon Aerospace, Bendix Avelex, European Helicopter Industries, Vickers Shipbuilding and Engineering Ltd, Frontec, Canadair and NRC.

KEYWORDS: Automatic Test Equipment; Configuration Management; Contract Management; ILS; Level of Repair Analysis; Logistic Support Analysis; Program Management; Training.

REVISED: February 88

ANDREW ANTENNA COMPANY Ltd

ADDRESS: 606 Beech Street
Whitby, Ontario, Canada
L1N 5S2

CONTACT: Mr John Lawson, Business Development Manager, Government Products Group – (416) 668-3348

HISTORY: Andrew Antenna Company Ltd was incorporated in 1953 being granted a Dominion Charter by the Government of Canada, and is a subsidiary of Andrew Corporation of Chicago, IL. Andrew has grown and expanded with the dynamic communications industry. The design and manufacturing efforts of the company have been centered on antennas (earth stations, terrestrial microwave, radar and navaid), transmission lines (waveguides and coaxial cables), and related equipment. Through the years, Andrew engineers have paced the industry in these specialties. From its first directional broadcast arrays, to its current satellite earth station antennas, Andrew has grown in physical size and technical knowledge.

CAPABILITY: Andrew can supply all of the elements for microwave, broadcast, earth station, VHF, UHF, HF, cellular, special application, military and tactical antenna systems – including antennas, waveguide and cable, towers, equipment shelters, transportation, installation and project management. The company has also developed a wide variety of custom antenna systems for applications as varied

as radar, navigation aids, telemetry, command and control, and tactical HF communications, in frequencies ranging from VLF to millimeter wave.

AVERAGE WORK FORCE: PhD – 2
Engineers – 10
Others – 200

GROSS SALES: 1986 – \$23.0M
1987 – \$22.4M

PLANT SIZE: 8,036 Sq Meters

EQUIPMENT: The Canadian operation includes: metal spinning, punching, forming, an extensive machine shop with a number of automatic machine tools, a welding shop with equipment for tungsten/inert gas, silver brazing and soldering, complete facilities for metal finishing and painting, assembly and fitting shops, and packing facilities. Andrew uses an on-line Manufacturing and Production Information Control System, commercially available structural analysis software, including FAPMAT (an interactive program which interprets windloading), and RMSDISP (a post processor program which manipulates ASAS displacements to interpret antenna performance). The company's facilities include a fully equipped model shop, a 19-meter near field anechoic chamber and an antenna pattern test range with unobstructed sources, ranging from 200 to over 5,000 meters from the main test tower.

EXPERIENCE: Andrew's present customers include: military and government agencies as well as prime contractors in Canada, the US and abroad. Recent contract awards include the manufacture of 23-foot reflector antennas, feed systems and waveguide for the Next Generation Weather Radar (NEXRAD) system to determine wind speed, wind direction and storm configurations. Raytheon Co, under the contract to the Electronic Systems Division of the USAF, awarded Andrew a contract for the manufacture of dual-space diversity 9.5 ft parabolic antennas and waveguide feeds for AN/TRC-170 (V2) tactical digital troposcatter equipment. Raytheon Co has also awarded Andrew a contract for the production of 35-ft L-Band antennas for the Radar Modernization Program (RAMP) to replace and modernize ATC primary and secondary enroute and terminal radar systems. The company is manufacturing 98 earth station antennas for CANAC/Microtel to be used in the North Warning System. Andrew is also producing munition lockers and launchers for the Plessey Shield II Chaff and IR Decoy System being sold by Plessey Naval Systems to the Brazilian Navy, the Canadian Patrol Frigate Program and the Tribal Class Update and Modernization Project (TRUMP).

KEYWORDS: Antennas; ATC; Radar Weather; Radar Navigation Aids; Tactical Communications; Earth Stations; Terrestrial Microwave Antennas; Special Purpose Antennas; HF Antennas; Broadcast Antennas; Fabricated Aluminum Structures; HELIAX Coaxial Cable; Elliptical Waveguides; Waveguide; Towers (Antenna); Equipment Shelters.

REVISED: January 88

APPLIED MICROSYSTEMS Ltd

ADDRESS: 2035 Mills Road
Sidney, British Columbia, Canada
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CONTACT: Mr M duPlessis, President – (604) 656-0771

HISTORY: Applied Microsystems Ltd is a Canadian-owned, high-technology manufacturing company, incorporated in British Columbia in 1976. It specializes in the manufacturing of high-technology sensors and data logging instrumentation.

CAPABILITY: Applied Microsystems' primary business is design and manufacture of standard and custom electronic instruments for use underwater. The products are reliable, high-precision, data recording instruments built for long term deployment based on battery power. The company designs and manufactures its own sensors, electronics and pressure housings, and is well known for its oceanographic engineering and customized products. Approximately 33% of its sales are in Canada, 33% in the US and 33% throughout the remainder