

ing, installation supervision, documentation and training. The company provides complete turn-key service from the design to the installation of a fiber optic communications system to fully meet existing and future requirements.

The research capabilities with respect to fiber optic systems are best related by referring to systems that have been designed by Foundation Instruments' R&D Group. These projects include - fiber optic transmission system with high performance 10 MHz baseband analog bandwidth; 250 Mb/s digital link; bi-directional data links; and a special fiber optic system for a shipboard communications simulator. Other systems FI has supplied include secure (TEMPEST) data circuits using fiber optics; subscriber and central office local loop terminals for telephone systems; T1, T2, and 12.98 Mb/s data rate, long haul fiber optic links; and tactical fiber optic communications systems.

Foundation Instruments' capabilities are constantly being expanded to include a five video channels per fiber communications systems, a high data rate multiplexer and a fiber optic data multiplex system.

AVERAGE WORK FORCE: Engineers - 27
Production - 15
Admin - 11

GROSS SALES: 1986 - \$5.0M
1987 - \$3.0M

PLANT SIZE: 20,000 Sq Ft (New facility - Jan 84)

EXPERIENCE: Foundation Instruments Inc has experience with government and commercial corporations, several of which are listed below:

- Department of National Defense
- Atomic Energy Canada Ltd (AECL)
- US Navy
- IBM
- General Electric
- US Army Corps of Engineers
- US Air Force
- Ontario Hydro
- Ford Aerospace Corp
- Quebec Hydro
- National Research Council
- Harris Corporation
- GTE Government Systems
- Spar Aerospace

KEYWORDS: Avalanche Detectors; C3 Systems; Communications; Fiber Optics; Fusion Splicers; Laser Diodes; Modems; Moisture Content; Optical Communications; Power Measurement; Radar; Receivers; Space Systems; Telephone Communications; Transmitters; Video Systems; Wideband.

REVISED: April 88

FRONTEC LOGISTICS Corp

ADDRESS: Corporate Headquarters
10035 - 105 Street
Edmonton, Alberta, Ontario
T5J 2V6

NWS Contract Management Office
130 Slater St, Suite #1300
Ottawa, Ontario, Canada
K1P 6E2

CONTACT: Mr George Paicu, President - (403) 420-7112

HISTORY: Frontec is a Canadian technical services and logistics company jointly owned by ATCO and Canadian Utilities. It was founded in 1986 to bring together the combined expertise of the ATCO group in the areas of facilities management, logistics support in remote regions, operation and maintenance, power generation and transmission. The ATCO group of companies, including Canadian Utilities, employs 6,000 people, has assets of more than \$3.0B and annual revenues in excess of \$1.5B.

CAPABILITY: Frontec specializes in facilities management, operation and maintenance, logistics support in remote locations, technical services, power generation, communications networks and has expertise in computerized management support systems. Frontec also draws on the broad experience and expertise of associated companies such as Alberta Power Ltd, Northland Utilities and Yukon Electrical Co, Northwestern Utilities, Canadian Western Natural Gas, ATCOR, ATCO Drilling and ATCO Structures. Frontec has offices in Edmonton, Ottawa and Yellowknife, Canada.

AVERAGE WORK FORCE: No Data

GROSS SALES: No Data

PLANT SIZE: No Data

EQUIPMENT: No Data

EXPERIENCE: Under contract to the Canadian Department of National Defence, through the Department of supply and Services, Frontec operates and maintains the first phase of the new North Warning System. Frontec offers its services to the defence industry, resource companies, government and business.

KEYWORDS: Logistics Support; Technical Services; Management Support; Power Generators; Communications Networks; Remote Operations; O&M.

REVISED: January 88

FULL LOTUS MANUFACTURING Inc

ADDRESS: #406-5940 No 6 Road
Richmond, British Columbia, Canada
V6V 1Z1

CONTACT: Ms Candace Nirenberg, Sales Manager - (604) 270-0188

HISTORY: Full Lotus Manufacturing Inc was incorporated in March 1985 with the objective to design and manufacture the world's first inflatable floats for light aircraft.

CAPABILITY: Full Lotus Manufacturing Inc is primarily involved in the design, manufacture and production of inflatable float equipment for the aviation industry. Current products include: Full Lotus two float systems in 12.5 ft (3.8M), 14ft (4.3m), and 17.5 ft (5.4m) lengths, suitable for aircraft with a gross weight of up to 2000 lbs (907 Kg), available with or without retractable landing gear; and Full Lotus mono float systems for ultralight and light experimental aircraft, suitable for aircraft with gross weight of up to 1050 lbs (475 kg), available with or without retractable landing gear. Full Lotus inflatable floats offer many advantages over other float systems. They are half the weight of fiberglass floats, stronger than fiberglass or aluminum, flexible and resilient to absorb impacts, have eight airtight compartments per float, provide superior handling characteristics, and fold up for low shipping costs. Other products in development include certified floats for larger aircraft and helicopters.

AVERAGE WORK FORCE: 20

GROSS SALES: No Data

PLANT SIZE: 3,000 Sq Ft

EQUIPMENT: Equipment includes: electronic RF welding equipment for welding coated fabrics, assorted sewing and machining equipment, 6000 gallon test tank with crane, and in-house computer systems (IBM & Wang).

EXPERIENCE: Full Lotus floats are used by pilots in recreational and commercial operations on all five continents.

KEYWORDS: Aircraft Floats; Floats (Aircraft); Inflatable Aircraft Floats; Landing Gear (Retractable).

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