

rate concentration. It is particularly useful in pollution monitoring, e.g., particulates in stack emissions.

Average Work Force: Total - 12

Gross Sales: No Data

Plant Size: 7,000 sq ft

Experience: Athabasca Research has experience with both the Alberta and Canadian Governments, Universities and Canadian industry. Industrial clients include Petro Canada, Imperial Oil Company, Shell Canada Ltd, Amoco Canada Ltd, Texaco Canada Ltd, Gulf Oil Company, Dow Chemical, Sheritt Gordon Mines, Bell and Howell Canada Ltd, and Alberta Government Telephones. They have no experience with the USAF, but are interested in working with the USAF in the future.

Keywords: 7 = Electronics; 8 = Energy; 9 = Environment; 11 = Lasers; 15 = Radar; 17 = Software Services; 19 = Testing/Test Equipment; 20 = Miscellaneous; Geophones 7, 8; Recording Seismographs = 7, 8; Acoustic Sensing = 7; Data Acquisition = 7, 9; Geophysics = 7, 8; Environmental Sensors = 7, 9; Meteorological Stations = 9, 20; Meteorological Equipment = 9, 20; Environmental Analysis = 9; Environmental Forecasting = 9; Leak Detection System = 9, 19; Pollution Sensing = 9, 19; Pollution Analysis = 9; Weather Radar = 9; Trace Gas Detection = 9, 19; Laser Optics = 11; Weather = 15; Environmental Programs = 17; Instrumentation = 9, 19; Monitoring = 9; Ultraviolet Spectrometer = 19, 10; Wind Speed Determination = 9; Wind Direction = 9; Underground Storage Tanks = 9, 19; Tactical Target Scoring System = 19; Range Instrumentation = 19; Ordnance Impact Position = 19.

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ATLANTIS FLIGHT RESEARCH Inc

Code: AFR

Address: 3924 Chesswood Drive
Downsview, Ontario, Canada M3J 2W6

Contact: Mr. Dale Simmons, General Manager -
(416) 630-8611

History: Atlantis is a wholly owned Canadian company incorporated in 1978. There are no other Canadian divisions or US subsidiaries.

Capability: Atlantis manufactures avionics test equipment, simulators/computer assisted training systems and specialized aerospace instrumentation.

The company has a firm commitment to the ongoing design and development of new products for the avionics test equipment line. A series of Interface Panels support bench test applications on a variety of avionics systems ranging from VHF navigation systems to cockpit voice recorders. Two new pieces of test equipment provide Autoland and Ground Proximity Warning System testing on the new digital avionics aircraft such as the Boeing 757/767, as well as on aircraft using analog avionics. Another unit now entering production in both manual and automatic test equipment versions, will support general purpose bench testing of the new digital avionics systems using the ARINC 429 bus. The company is now starting the development of test equipment to support military aircraft using digital MIL-1553 bus. Custom test equipment is also designed for specialized applications.

Cockpit procedure simulators, maintenance trainers/simulators and specialized simulator systems form a large portion

of the company's activities. Projects in this field include Animated Systems Trainers and a Cockpit Procedures Simulator for the Canadair Challenger business jet, an Environmental Control Systems Maintenance Simulator for the CF-18 fighter and an "Automated Pilot Selection System" for the Canadian Military.

Atlantis also offers research & design, and manufacturing services with custom microprocessor applications/instrumentation. They are currently designing and manufacturing a Digital Autopilot/Guidance System for a rocket-powered drone for the Canadian Department of Defense. Previous projects have included industrial control systems and software for nuclear power station monitoring systems.

Average Work Force: PhDs - 1
Engineering - 5
Manufacturing - 5
Others - 3

Gross Sales: 1979 - \$ 45K
1980 - \$180K
1981 - \$250K
1982 - \$315K
1983 - \$750K
1984 - \$1,100K (Projected)

Plant Size: 3,800 sq ft

Experience: Atlantis has supplied equipment to the Canadian Department of Defense, original equipment manufacturers (e.g., Canadair, Boeing), the corporate aviation sector, major avionics facilities and airlines. Current US sales have been mainly commercial with no sales to the USAF. They are interested in expanding their business to include the US military.

Keywords: 1 = Aircraft; 2 = Armament; 3 = Avionics; 6 = Computers; 7 = Electronics; 17 = Software Services; 19 = Testing/Test Equipment; 20 = Miscellaneous; Test Equipment = 3; Training Aids = 1; Radio/Radar Altimeters = 19; VHF Navigation Systems = 19; VHF Transceivers = 19; HF Transceivers = 19; Flight Data Recorders = 19; Cockpit Voice Recorders = 19; Engine Component Simulator = 19; Animated System Trainers = 1, 19; Simulators = 1, 20; Software Development = 17; System Simulation = 1, 20; Training Simulators = 1, 2, 3, 20; Research & Development = 6, 7, 19.

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AVIATION ELECTRIC Ltd

Code: AVE

Address: Mailing: P. O. Box 2140
St Laurent, Quebec, Canada H4L 4X8

Plant: 200 Laurentien Blvd
St Laurent, Quebec, Canada H4M 2L5

Contact: Mr. John Beaven, Director, Marketing -
(514) 744-2811

History: Aviation Electric Ltd, a unit of the Bendix Aerospace Sector of Allied Corp, is a major supplier of aerospace/military components and systems to both domestic and international customers. Founded in 1931, the company is recognized today as one of the world's largest producers of fuel control systems for small gas turbine engines, and is a world leader in the design and manufacture of military ground systems.

Capability: Currently marketed are electronic on-board military vehicle compass systems and navigation systems. A technically advanced Artillery Gun Alignment and Control System designed and developed for the Canadian Department of National Defense provides rapid alignment of towed and