

BENDIX AVELEX INC. (ALLIED-SIGNAL AEROSPACE CANADA)

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Keywords: Artillery Alignment and Control Systems; Avionics; Brake Parts; Compass Systems; Drone Alignment Systems; Electro-Optics; Engine Fuel Control Systems; Fuel Control; ILS; Image Intensification; Instruments; Machining; Navigation; Navigation Systems; Night Vision; Precision Machining; R&O (Avionics); R&O (Components); R&O (Fuel Controls); Computer Based Training; Radar; Thermal Imaging; Training; Wheel Parts.

History: Bendix Avelex Inc. is a unit of Allied-Signal Aerospace Canada. From its beginning in Montreal, Québec (1931), Bendix Avelex has grown into a world-class supplier of high-technology defense electronics and aerospace products and services. Products include thermal imaging systems, night vision goggles, vehicle navigation systems, artillery gun alignment and control systems, computer-based training systems and aircraft engine control systems and accessories. Services include ILS planning and analysis, engineering support services, repair and overhaul, comprehensive after-sales services, product support and bilingual technical publications capability. The entire operation is supported by an integrated configuration control and data management group.

Capability/Products: Bendix Avelex has established solid expertise in a wide range of engineering disciplines which include digital/analogue electronics, software development, electro-optics, thermal imaging, lasers, simulation, communications, geomagnetism, pneumatics, and fluid dynamics and hydro-mechanics.

These broad engineering skills are applied to the design of highly reliable products meeting stringent specifications in the fields of defense, aerospace, and general aviation for national and international customers.

The Bendix Avelex Total Quality Management Program ensures that reliability and dependability are designed in the product. This quality control system meets Canadian, US, and NATO standards (AQAP-1) and is approved by the Canadian airworthiness authorities. Bendix is a customer oriented company committed to timely, cost effective response and support.

The electronics manufacturing facility is equipped with latest generation continuous flow soldering and conformal coating equipment; environmental test cells which include sinusoidal and quasi-random vibration systems; burn-in chambers; automatic test equipment for PCB diagnostics and repair; and a class 100 clean room. The precision machining facility reflects the latest advances in metal removal technology, capable of consistently achieving tolerances of 50 millionths of an inch. High performance machines include 3 and 4 axis CNC and DNC machining centers, CNC lathes, programmable precision grinders and many other sophisticated machine tools.

The Support Services Division of Bendix Avelex provides a diverse range of integrated logistic support services. These include complete life cycle management and systems engineering support services, technical publications, training programs, as well as the traditional repair and overhaul of Bendix Avelex proprietary aerospace and defense products. In addition, support spans 64 NATO classes and is also provided for the products of more than 300 different original equipment manufacturers.

Experience: Bendix Avelex Inc.'s present customers include the Canadian Department of National Defence (Gun Alignment and Control Systems, Electro-optics, Night Vision Systems, Video Interactive Gunnery Simulators, Operations Tactical Training Simulators, repair and overhaul of aircraft instruments, accessories, navigation aids and airborne radar), Transport Canada (Position Adjustable Range Reference Orientation Transponders), Pratt & Whitney Canada (engine control systems), Air Canada (wheel and brake parts and instruments), DeHavilland (avionics equipment, flight and engine instruments and accessories), Canadair (electrical connectors, drone alignment systems and aircraft accessories), General Electric (USA) (engine fuel control systems), and Martin Marietta (Optical Encoder). With this wide range of capabilities and expertise Avelex is a competitive source for US DOD repair and support programs.

Current Market Activity: Mostly working on thermal imaging technology, pushing our avionics and accessories repair and overhaul business, starting on the computer-based training systems market as well as in the test equipment calibration market. Finally pushing our engine controls and accessories.

Market Strategy: Engine controls and accessories - CIS, Eastern Europe, Asia.
Thermal Imaging - Asia, Europe, US.
Computer-Based Training Systems - US, Asia, Canada.

Plant Size: Montreal - 220,000 square feet, Vancouver - 32,000 square feet, Cornwall - 21,000 square feet, Summerside - 15,000 square feet, Hawkesbury - 9,000 square feet.

Average Work Force: Engineering - 125, Production - 325, Marketing - 20, Others - 325.

Gross Sales: 1988 - \$85 Million, 1989 - \$89 Million, 1990 - \$82 Million, 1991 - \$86 Million.

Qualifications: World Aviation Authorities, Government & Military Certificates.

Date: August 13, 1992