

leum storage facilities (gasoline), plus many other institutions throughout the world.

**KEYWORDS:** Calibration Equipment; Carbon Monoxide Gas Detection; Catalytic Sensors; Chemistry; Chlorine Gas Detection; Combustible Gas Monitors; Data Acquisition; Electrochemical Devices; Electronic Gas Detectors; Environment; Gas Detectors; Hazardous Gas Detection; Hydrogen Sulfide Sensors; Leak Detectors; Monitors (Gas); Pollution Monitoring Equipment; R&O (Environics); Safety Equipment; Sensors; Solid State Devices; Thermal Conductivity Devices; Toxic Gas Detectors.

**REVISED:** February 88

## ATLANTIS AEROSPACE Corp

**ADDRESS:** 951 Rowntree Dairy Road  
Woodbridge, Ontario, Canada  
L4L 4E4

**CONTACT:** Mr Chris Lehman, Sr Marketing Representative -  
(416) 851-8531

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

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

Atlantis Aerospace Corp has firmly established itself in the international military and commercial marketplace with an excellent reputation for quality and performance.

The Simulation/Training Group offers total training systems capability that spans the complete range of training aids including: maintenance trainers, part-task trainers, operational trainers, computer-based training systems and hardware-in-the-loop trainers.

Atlantis has produced simulator systems for use by the US, Australian and Canadian Forces which include a complete suite of maintenance trainers for the F/A-18 aircraft, the H-46 helicopter and the E-6 aircraft. Each of these systems offers "O-level" maintenance training in a free-play environment and feature free-play systems simulation, interactive laser video disk technology, mathematically modelled test equipment and instructor selected faults.

The Avionics Test Equipment Group offers a complete line of commercial and military avionics support equipment including a full range of ARINC testers designed to support the new digital commercial aircraft such as the Boeing 757/767. MIL-STD-1553/A bus testing capability is provided by the DCM-1553 Digital Bus Communicator. Designed as a user-friendly interface to the digital busses of aircraft such as the F/A-18, the DCM-1553 has been ordered by the US, Australian and Canadian Air Forces.

The Instrumentation/Control Group specializes in developing custom microprocessor-based technology such as Autopilot/Guidance Systems for remotely piloted vehicles and target drones.

**AVERAGE WORK FORCE:** Engineering - 115  
Manufacturing - 35  
Others - 40

**GROSS SALES:** 1986 - \$7.0M  
1987 - \$8.0M

**PLANT SIZE:** 27,000 Sq Ft (expanding to 60,000 Sq Ft in 1988)

**EXPERIENCE:** Atlantis has supplied equipment to the following companies: McDonnell Douglas, the US Air Force, Canadian Department of Defense, Boeing Helicopter Co, Boeing Military Airplane Co, Boeing Aerospace Co, the US Navy and Marine Corps, and the Royal Australian Air Force.

**KEYWORDS:** Animated System Trainers; Avionics; Cockpit Voice Recorders; Computers; Engine Component Simulator; Flight Data Recorders; HF Transceivers; Radio/Radar Altimeters; Simulators;

Software Development; Software Services; Systems Simulation; Test Equipment (Digital 1553); Testing/Test Equipment; Training Aids; Training Simulators; VHF Navigation Systems.

**REVISED:** February 88

## ATOMIC ENERGY OF CANADA Ltd

**ADDRESS:** 275 Slater St  
Ottawa, Ontario, Canada  
K1A 1E5

**CONTACT:** Dr S R Hatcher, President, AECL Research Co -  
(613) 236-6444

**HISTORY:** AECL was formed as a crown corporation in 1952 with a mission to develop nuclear energy and associated technologies for the benefit of Canada.

The company has recently redefined its strategic direction and now emphasizes innovation and the development of non-nuclear products and services based on traditional enterprises.

**CAPABILITY:** The AECL Research Co operates two world-class research & development facilities - the Chalk River Nuclear Laboratory (CRNL) at Chalk River, Ontario, and the Whiteshell Nuclear Research Establishment (WNRE) at Pinawa, Manitoba. They represent one of Canada's top multi-disciplinary teams of technical professionals with expertise in almost every branch of science and engineering, including such fields as electronics, computer science, metallurgy, environmental management, design, construction, material physics, thermalhydraulics, wear & inspection, instrumentation, heat transfer, safety, etc.

**AVERAGE WORK FORCE:** Professional experts - 897  
Technical Non-Production - 776  
Production - 1,027  
Administrative - 539  
Others 63

**GROSS SALES:** FY 1986/87 - \$25.9M  
FY 1987/88 - \$31.7M

**PLANT SIZE:** 2 World-Class Laboratories (Chalk River, Ontario & Pinawa, Manitoba)

**EQUIPMENT:** Major facilities at CRNL and WNRE include - research reactors, TASCC (Tandem Accelerator Superconducting Cyclotron), drop-test facility, thermalhydraulic loops, hot cells, radio-isotope production facility, heavy water upgrading facility, physical security systems, tritium removal facility, computerized tomography equipment, neutron radiography equipment, corrosion testing equipment, fretting-wear test facility, material characterization equipment, fracture & failure analysis equipment, catalyst lifetime test facility, computer aided design facilities, machining, welding & sheet metal facilities, a wide array of research analytical equipment, underground research and storage facility, tow-phase flow & gas dynamics equipment, combustion test facility, etc.

**EXPERIENCE:** Atomic Energy's present customers include - the Canadian Government, major electric power utilities, Canadian and international industries, and Canadian & foreign research institutes & associations.

**KEYWORDS:** Nuclear; Testing; Process Control; Optics; Electro-Optics; Environmental Control; Robotics; Structural Dynamics; Chemical Analysis; Ceramics; Spectrometric Technology; Heat Energy; Steam Quality Stack-Gas Scrubbing.

**REVISED:** February 88

## (ATS) AERONAUTICAL TRAINING SYSTEMS Inc

**ADDRESS:** 3163 Harvey  
St Hubert, Quebec, Canada  
J3Y 3T7

**CONTACT:** Mr R C Edgar, Manger ATC Systems - (514) 676-6259