

HISTORY: ATS (Aeronautical Training Systems Inc) is a high-technology aviation services company, founded in 1983 as a wholly owned subsidiary of Ballistech Systems Inc (BSI). BSI is a Canadian-owned high technology engineering company, servicing the Canadian Department of National Defence and other NATO Government defence agencies. A US subsidiary is currently being formed in North Troy, VT. ATS and BSI are co-located at the above address and the capabilities described below cover both companies.

CAPABILITY: ATS is primarily involved in the design and manufacture of air traffic control training and operational equipment. Other specialties of the ATS/BSI group includes computer aided learning systems, digital recorders (data acquisition and data processing), high "g" electronics and instrumentation/field experiment support services. ATS radar environment simulators developed by ATS personnel are presently in service in the Middle East, Africa and South America. A mobile ATS control tower designed and fabricated by ATS is in service with Transport Canada (Ontario Region). ATS Signal Light Guns (Aldis Lamps) are in service with Transport Canada and the Canadian Air Force. Two new ATS radar environment simulators are presently being installed at the Transport Canada ATS Training centers in Montreal and Toronto. Digital Stand-Alone (DIGISTAR) recorders and data acquisition systems developed by ATS have been used at White Sands Missile Range by DND, DOD/DNA and the Government of Norway. DND and NDCS (Norway) have recently procured DIGISTAR digital recorders. The company has also developed RPV's and mobile computerized ground control station facilities for DND which are currently in use at the Defence Research Establishment Suffield. General capabilities include ammunition and weapons systems design, RPV systems, aerial targets, ATC aviation equipment development support and training, software development, instrumentation development.

AVERAGE WORK FORCE: PhD - 1
Engineers - 8
Others - 16

GROSS SALES: 1986 - \$1.6M
1987 - \$2.0M (Est'd)

PLANT SIZE: 4,000 Sq Ft (St Hubert, Quebec)
4,000 Sq Ft (Medicine Hat, Alberta)

EQUIPMENT: IBM AT/PS-2 compatible microprocessors, electronic and mechanical CAD, digital electronics development facilities. The company operates test facilities, including a 1.8m x 50m FAE blast wave tunnel for DND/DRES at Suffield, Alberta.

EXPERIENCE: Customers include - DND (Canada), DOT (Canada), US Army (BRL), Defence Nuclear Agency (DNA), Government of Norway, Government of West Germany (BWB), ICAO (International Civil Aviation Agency), Government of Greece (Civil Aviation and Navy). The company is interested in doing business with the US Military.

KEYWORDS: ATC; Simulators (ATC); Mobile Control Towers; Digital Recorders; Data Acquisition; RPV; Ground Control Stations; Computer Aided Learning; Ammunition Design and Testing; Aerial Targets; Radar Augmentation Devices; Software Development.

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AVCORP INDUSTRIES Inc

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HISTORY: Avcorp Industries Inc was formed in 1986 to provide an integrated design, engineering, manufacturing and servicing capability to the aerospace industry. The company has brought together a number of established aerospace companies that collectively share more than a century of experience in the production and servicing of an extensive range of metal, composite and specialized plastic components used in the aerospace industry, as well as aircraft turbine engine repair and overhaul.

CAPABILITY: The following categories describe Avcorp's capabilities:

- **Plastics** - Window facings and interior trim elements, lighting diffusers, windshields and dashboards, armrests and other self-skinning foam products, aircraft interior panels, ground support equipment, fairings, moldings, doors, nose and tail cones for surveillance aircraft, flight simulator bodies, wing tip lenses, cockpit glare shields, aircraft ducting, fighter aircraft canopies, satellite earth station & ship antennae, and specialized containers (Also see Flexibulb Inc & Plastal Inc).

- **Composites** - Tail section components for deHavilland Dash-8 and Canadair Challenger, components for McDonnell Douglas DC-9, fuselage & auxiliary fuel tanks, wing-tip floats, engineering detailed design, design modifications, certification, destructive and non-destructive testing, composite and hybrid characterization analysis, and cyclotron accelerator components (also see Canadian Aircraft Products Ltd).

- **Metals** - Canadair Challenger spars, splices, caps, weights; deHavilland Dash-7 & 8 hinges, fittings, ailerons, machine parts; auxiliary fuel drop tanks for McDonnell Douglas F15; aircraft ground support equipment, engine overhaul tooling, airframe overhaul tooling, detailed design of commercial and military jet engine handling and transportation systems, non-destructive testing, precision landing gear components, engine stands and containers, watertight doors and hatches, skuttles, and bollards (also see AWSM Enterprises Ltd & Decade Industries Ltd).

- **Turbine Repair and Overhaul** - Allison T63/250 series - all turboshaft models, Allison T56/501 series turboprop engines, Allison 501 series industrial engines, Lycoming T53 series turboshaft engines, Lycoming T55 series turboshaft engines, General Electric T58 series turboshaft engines, Pratt & Whitney Canada PT6A series engines, Sundstrand/Turbomach APUs, and related accessories (also see Standard Aero Ltd).

AVERAGE WORK FORCE: Total - 1,182 (All locations)

GROSS SALES: 1986 - \$ 4.7M
1987 - \$52.6M

PLANT SIZE: 550,000 Sq Ft (All locations)

EXPERIENCE: Customers include: Government of Canada, US DOD, Air Canada, Canadian Pacific Air Lines, Northwest Orient, Oerlikon Aerospace Inc., Bendix Avelex Inc., Okanagan Helicopters Ltd, Bombardier Inc., Atomic Energy of Canada, Menasco Aerospace Ltd, Canadair Ltd, deHavilland Canada Ltd, McDonnell Douglas Canada Ltd, Boeing of Canada, Pratt & Whitney Canada, Morse Controls Ltd, Flying Tigers Inc., and Raytheon Canada Ltd.

KEYWORDS: R&O (Engines); Airframe Components; Airframe Structures; Aluminum Components; Camera Systems Components; Cargo Handling Equipment; Composite Components; Electrical Test Equipment; Engineering Services; Flaps; Ground Support Equipment; Helicopter Subsystems; Isotope Dispensing Equipment; Jig Fabrication; Machining; Metalworking; Modification (Aircraft); Non-Destructive Testing; Pipeline Control Components; Plastic Molding; Plastic Fabrication; Precision Tooling; R&O (Aircraft Components); R&O (Equipment); Radioactive Waste Containment; Rudder Assemblies; Software Services; Structural Analysis; Structural Design; Tooling.

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