CAPABILITY: WIC has the largest welding laboratory in the Western Hemisphere. It has 10 ton materials handling capacity, a variety of full-scale structural testing facilities, over 25 welding power supplies, the most advanced welding diagnostic system in Canada, and a full range of machining, metallographic, and mechanical testing laboratories. WIC has design, health and safety, metallurgical, failure analysis, and welding process expertise and networks extensively to increase its range of capabilities.

PERSONNEL: PhDs - 4
Engs - 10
Techs - 10

GROSS SALES: 1990 - $3.0M
1991 - $3.5M

PLANT SIZE: 8,000 sq ft

EQUIPMENT: In addition to the extensive welding, machining, and testing facilities, WIC has in-house IBM and Mackintosh as well as University of Toronto workstations and supercomputer.

EXPERIENCE: WIC has performed research for the Canadian Departments of National Defence, Transportation, Labour, Environment, Supply and Services, Coast Guard, and Energy, Mines, and Resources.

WESTEC AEROSPACE Inc

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KEYWORDS: Aircraft Maintenance; Aviation Software (Maintenance); Engine Health Monitoring; Fuel Control; Inventory Control Systems; Scheduling (Crew, Aircraft).

HISTORY: Westec Aerospace Inc is a wholly Canadian-owned, private company specializing in aviation software. It was incorporated in Victoria, BC as Westec Software Services Ltd in May 1984. The name was changed to Westec Aerospace Inc in November 1987, and the company began to offer software to the aviation/aerospace industry. The company has invested $1.2 million in developing, testing, and marketing its software products and services.

CAPABILITY: Westec has developed a series of aviation computer software packages for the aviation/aerospace industry. These software packages operate on a unique three-dimensional relational database management system. This allows thousands of individual files to be automatically interrelated. Information changes in one file will automatically be reflected in all other related files. The database system has the ability to operate on mainframe, mini-, and microcomputers from most computer hardware vendors. It is flexible enough to meet the changing needs of any size aviation/aerospace user.

The maintenance software package and related maintenance control modules have been accepted by the industry, and there are about 30 customer installations. The existing customer base includes large charter air carriers, airlines, helicopter operators, law enforcement agencies, and aerospace manufacturers.

In addition to developing its own software, Westec has acquired the rights to additional software packages to offer an integrated software system to aviation customers. Its recent marketing and technology alliance with Sun Microsystems and Texas Instruments places Westec in a position to achieve leadership in the aviation software field. These new alliances will make Westec one of the leaders in aviation software within the next twelve months.

Westec and Texas Instruments have entered into a joint project that will see all of Westec's software migrated into the new Information Engineering Facility (IEF). The IEF is a full life-cycle CASE tool that will develop software for a variety of hardware platforms, operating systems, and databases.

PERSONNEL: Executive - 3
Analysis/Programmers - 4
Sales/Support - 5

GROSS SALES: 1990 - $0.4M
1991 - $0.8M

PLANT SIZE: 4700 sq ft

EQUIPMENT: No specialized equipment.

EXPERIENCE: Present customers include Beech Aircraft Corporation, Safe Air (a division of Air New Zealand), BC Institute of Technology, Croman Corporation, and Peace Helicopters.

WESTINGHOUSE CANADA Inc
(Information Service Division)

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