

of the world. Although a number of products are sold directly by the factory, the company is represented in most countries through an agency structure. In the US, agents in Florida, Texas, Massachusetts, California and Virginia represent all of the standard products manufactured by Applied Microsystems Ltd.

AVERAGE WORK FORCE: Engineers - 4
Others - 12

GROSS SALES: 1986 - \$630K
1987 - \$670K

PLANT SIZE: 17,500 Sq Ft

EQUIPMENT: Applied Microsystems has machine shop facilities, an electronics assembly and production facility, a research and development division, an environmental test chamber, a deep ocean testing, and a sea water test tank.

EXPERIENCE: Past customers include nearly every oceanographic and hydrographic Government Research Institution around the world.

KEYWORDS: Conductivity Sensors; Current Meter Systems; Data Acquisition; Data Logging; Depth Systems; Geophysical Instrumentation; Meteorological Instruments; Oceanographic Instrumentation; Sound Velocity Systems; Temperature Sensors; Underwater Acoustics; Underwater Instrumentation.

REVISED: April 88

APREL Inc

ADDRESS: 38 Antares Drive
Nepean, Ontario, Canada
K2E 7V2

CONTACT: Dr Jacek J Wojcik, PEng, President - (613) 727-0334

HISTORY: APREL Inc is a privately owned, independent, Canadian, commercial laboratory which provides confidential certification testing, applied research and development, engineering and related services to a wide range of government departments and agencies, and major corporations in the telecommunications, military and computer industries. APREL Inc was incorporated on 2 Nov 1982 under the name Apret Industrial Acoustics Ltd. With a broadening in the scope of activities, the name of the company was changed to APREL Inc in July 1985. APREL is located 5 minutes from Ottawa International Airport and 45 minutes from the New York state border in prestigious Rideau Height Business Development Park.

CAPABILITY: APREL Inc is the most advanced independent certification testing, R&D laboratory in Canada featuring a large floating Anechoic Chamber, Open Area Test Site, two Shielded Rooms, various environmental test facilities, and electronic and acoustic labs. APREL Inc is involved in the testing of telecommunications equipment, computers and military equipment for Department of Communications, Federal Communications Commission, Canadian Standards Association, Military and Industrial Standards. APREL Inc also actively participates in the development of National and International Standards. APREL's scope of activities and capabilities encompass - electromagnetic interference/compatibility; electrostatic discharge (simulated lightning); DOC, FCC, JATE and CSA certification; voice and data terminal performance; electroacoustics and acoustics; reliability and environmental engineering; product engineering and re-engineering; product design and manufacture; independent R&D contracting; and marketing capability

AVERAGE WORK FORCE: Engineers & Scientific Staff - 20

GROSS SALES: 1987 - \$1.9M
1988 - \$2.5M (Est'd)

PLANT SIZE: 21,000 Sq Ft

EQUIPMENT: See discussion under CAPABILITY above

EXPERIENCE: APREL Inc has provided confidential services to a wide range of organizations in the telecommunications, computer,

electronics and high-technology fields. Among those organizations are - AECL, AT&T, Bell Canada, BELL Northern Research, Convergent Technologies, Gandalf, General Electric, IBM, Litton, Mitel Northern Telecom, Plessey, Racal, Raytheon, TIE/Communications, Xerox, Yamaha, and Zenith.

KEYWORDS: Certification Testing; Environmental Testing; Electro-magnetic Compatibility; EMI; Testing (Certification); Acoustic Testing; Engineering Sciences.

REVISED: February 88

THE ARMSTRONG MONITORING Corp

ADDRESS: 215 Colonnade Rd South
Nepean, Ontario, Canada
K2E 7K3

CONTACT: Mr David Robinson, Sales/Marketing Department Manager (613) 225-9531

HISTORY: The Armstrong Monitoring Corp is a Canadian-owned electronic hazardous gas and vapor detection systems manufacturing firm founded in January 1981. The company has offices across Canada, throughout the Pacific Rim and the US.

CAPABILITY: The Armstrong Monitoring Corp is primarily involved in the manufacturing of fixed and portable hazardous gas detection systems, in addition to vapor detection for the petroleum industries fuel storage facilities. In the fixed gas detection, they offer both rack and wall mount systems incorporating a remote calibration sensor/transmitter that produces a time saving factor. In the area of sensors, they range from electrochemical, catalytic and solid state. Offered in the solid state type is a specific poison proof H2S sensor with a five year warranty and a ten year life expectancy. On the portable side, units range from hand-held amc 1100 series to the amc 3000 series. In the amc 3000, AMC offers their exclusive three meter, three sensor concept in a compact portable unit which allows three separate conditions to be monitored simultaneously (oxygen, toxic, and combustible gases).

The other major product line developed for the petro-chemical industry is the amc vapor detection system. A solid-state poison proof sensor specific to petroleum distillates such as gasoline, yet not recognized by methane (CH4), is used in conjunction with a wide range of monitors. These monitors are packaged as single channel or four to twelve channel units. The vapor system offers the owners of petroleum storage facilities both underground and above ground twenty-four hour surveillance of their tanks, in the event that leakage should occur.

AMC's human resources allows them to comprehensively maintain all levels of manufacturing from in-house R&D (consisting of engineering staff and product technician), to Quality Control, Quality Assurance, right through to their training programs.

AVERAGE WORK FORCE: Engineers - 4
Degrees - 7
Others - 25

GROSS SALES: No Data

PLANT SIZE: 14,000 Sq Ft

EQUIPMENT: Calibration chambers, environmental chamber (1 ton), Litton 8820 computers, full line of instrumentation devices for alignment and testing capability, 210 unit TRX 12 volt power burn-in panel, 4 unit 115 volt monitor burn-in panel, and a 600 volt transformer power supply.

EXPERIENCE: Customers countries include Canada, the US, South America, Singapore, Malaysia, India, the Netherlands, Australia, Thailand and Taiwan. Applications range from heavy water plants (H2S), coal mining (CH4), pulp and paper industry (H2S, CO), offshore rigs (H2S, CH4), commercial properties (CO), underground vehicle tunnels (NO2, CO), to marine and navy ships (CH4), and now petro-