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Expanding markets for expanding systems and services

Litton Systems Canada Limited of Rexdale, Ontario, a leading Canadian designer, producer and integrator of electronic systems for air, land and sea, is one of Canada's major exporters of high-technology products.

Since the company was founded in 1960, it has had an 86 per cent export record, representing \$1.27 billion of its \$1.5 billion of sales. In 1984, sales were \$198 million, of which 83 per cent were exported. And the company is looking to expand its markets even more with the production of a new defence system.

Litton president Ronald Keating said the electronics manufacturer has signed an agreement with Oerlikon-Buhrle Limited, an arms company based in Zurich, Switzerland to produce a low-level air defence system. The 35-millimetre anti-aircraft gun and missile system called ADATS (air defence anti-tank system) designed to seek and destroy low-flying airplanes and helicopters and tanks, will be mounted on armoured vehicles.

Mr. Keating said the system has a world-wide sales potential of \$6 billion during the next 15 years. The Canadian share is expected to about \$1 billion.

Inertial navigation systems

Litton Systems is best known for its engineering and manufacturing capabilities in the field of airborne and maritime electronics, especially the inertial navigation systems (INS). The company had been established originally to help Litton Industries Inc., of Beverly Hills, California

produce INS for the Royal Canadian Air Force's *CF-104 Starfighter*.

Within a short time Litton Systems was manufacturing the complete system for the Canadian program and in 1962 began to manufacture INS for the other members of the North Atlantic Treaty Organization (NATO) alliance that had selected the Lockheed *Starfighter*. Since then, Litton has produced 3 000 inertial navigation systems for military aircraft and naval vessels for Canada and other NATO countries.

In addition, more than 6 000 commercial



One of Litton's latest commercial inertial systems, the LTN-90, offers greater reliability through the use of three-ring laser gyroscopes.

INS have been manufactured and installed in 81 of the world's airlines as well as scientific and military transport aircraft. More than 90 per cent of long-range corporate aircraft are also equipped with INS.

Litton's latest commercial inertial system, the LTN-90 utilizes new ring-laser gyro technology that offers higher accuracy and greater reliability. LTN-90s are being used by Airbus Industries in France for their A300-600 and A310 medium range, wide body aircraft.

Using inertial navigation technology, Litton Systems developed the world's first automatic self-contained flight inspection



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