

**Litton Systems Canada Limited**

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**Flight inspection systems**

■ Litton Canada's expertise has produced the world's first automatic, self-contained flight inspection system capable of calibrating an airport's Category I, II and III Instrument Landing Systems. The Inertial Referenced Flight Inspection System (IRFIS) and its variants are able to calibrate all existing navigation aids such as ILS/MLS landing systems, as well as VOR, DME, TACAN and other en route nav aids.

There are two basic systems: the IRFIS (Inertial Referenced Flight Inspection System) and the SAFIS (Semi-Automatic Flight Inspection System).

The IRFIS uses a rugged mini computer, a Litton inertial navigation system, a Litton-developed aircraft position sensor, and an advanced software program to permit calibration, correction and recalibration of the airport's various landing systems during the same inspection flight. Clear visibility is not necessary, and calibration flights can be made in all flying conditions. Nor does the system require ground personnel. Compact, lightweight and having minimal power needs, both the IRFIS and its operator can be carried in a twin engined light aircraft.

The SAFIS interfaces with a variety of ground-based tracking systems, including manual radio telemetry theodolites and automatic trackers, to provide nav aid calibration to ICAO standards.

Litton flight inspection systems are used worldwide on board a variety of aircraft including the Challenger, Citation, King Air and Andover.

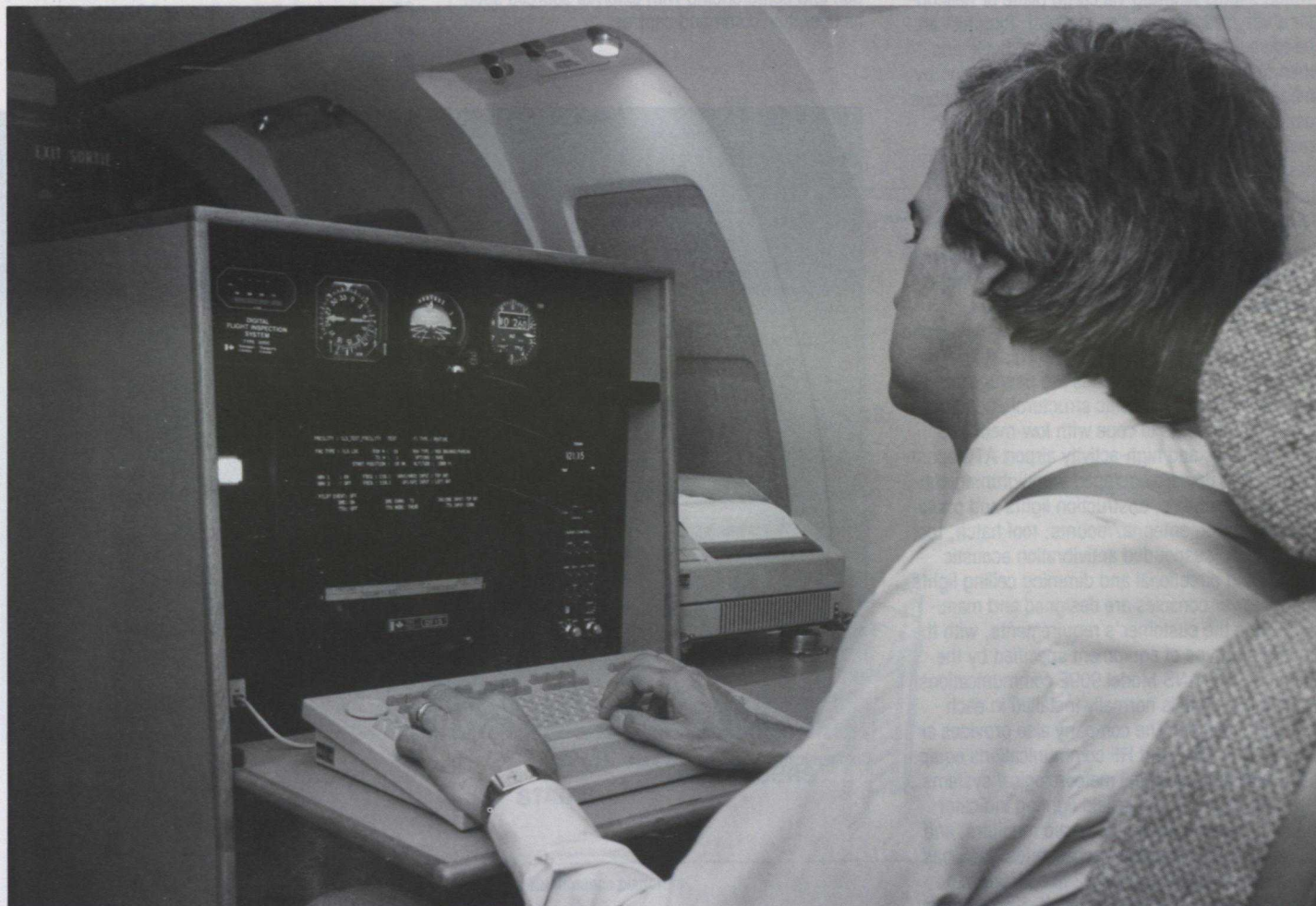
**Other products**

Other Litton products include inertial navigation systems; command, control and communications systems; airborne search radar; automated test equipment; cockpit displays; integrated security systems; large-scale system integration and

project management; special-purpose computer-based systems; and integrated logistic support. The company has recently completed a turnkey security system installation at a Royal Saudi Air Force base in Saudi Arabia. Co-ordinated and controlled by dual redundant computers, the system provides a very high level of airport security.

**Company Profile**

Litton Systems Canada Limited is known worldwide for its highly sophisticated electronic equipment for airborne systems. A division of Litton Industries of Beverly Hills, California, the Canadian company has over 3 500 scientists, engineers, technologists and other specialists at its ten-plant facility in Etobicoke, Ontario. The company's flight inspection systems are in demand in many countries including Canada, the Netherlands, the United Kingdom, the People's Republic of China and Japan. Support services to customers include system design, installation, training and research and development facilities.



An operator at the Litton Flight Inspection console