

## L-3 Electronic Systems

*A Canadian company with an international reputation as a supplier of integrated systems and highly sophisticated electronic equipment for both defence and commercial applications.*



For over 45 years, L-3 Electronic Systems (L-3 ES) has been at the forefront in the design, integration, manufacture and support of advanced systems and electronic assemblies for the aerospace industry, military agencies and governments around the world. Our principal focus areas are:

- **Armoured Vehicle Electronics**
- **Flat-panel Liquid Crystal and Light Emitting Diode (LED) Displays**
- **Systems Engineering and Support**
- **Inertial Navigation Systems (INS) Repair.**

By offering a complete spectrum of engineering, development and support services, coupled with our focus on quality initiatives, first class program management, the use of innovative technologies and customer satisfaction, L-3 ES has earned a solid reputation and an ever-growing list of world-class customers.

The Company's current activities include:

- Vehicle mobility enhancement solutions for ground vehicles, such as electronically controlled active suspension
- Advanced flat panel colour displays for the Canadian Air Force, Royal Australian Air Force and other F-18 aircraft users

- Optimized weapon system support and avionics mission systems life cycle support for the CP-140 Aurora and other aircraft
- Carousel IV depot-level repair and overhaul
- Light armoured vehicle electronic assemblies, chassis and turret control systems for the Canadian Air Force, U.S. Army, U.S. Marine Corps., Australian Army and New Zealand Army
- Advanced LED-based displays for various aircraft applications, including Apache, F-16, C-17 and Japanese F-2
- C<sup>4</sup>ISR solutions for the Canadian Air Force and other agencies
- Worldwide support to military and commercial INS users
- L-3 ES employs a dedicated workforce of over 650 experienced personnel, including engineers, researchers and skilled technicians.

Engineering, logistics, manufacturing, and repair and overhaul services are provided in advanced facilities in Toronto, Ontario and Halifax, Nova Scotia. The Company also maintains a Government Relations and Industry Affairs Office in Ottawa, to provide on-site engineering and logistics services directly to Canada's Department of National Defence and other customers as necessary.



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The Toronto facility maintains the Navigation Systems and Display Systems businesses, as well as Management, Finance and Administration departments, while the Halifax facility houses the Vehicle Electronics and Systems Engineering and Support business areas.

In Toronto, we recently completed the Design Implementation Phase of the F/A-18 Multi-purpose Display Group Upgrade Program and were awarded long-lead production funding, from The Boeing Company, for our high performance liquid crystal display suite, to be installed on Canadian and Australian F-18 (CF-188) aircraft. Future production quantities could increase as a result of applicability to other F-18 variants and users.

Our Halifax facility is a thriving avionics test and Repair and Overhaul (R&O) business that offers 'first-to-third levels' of maintenance and a full range of build-to-print assembly and test capabilities, ranging from commercial to RF and military specification levels of sophistication. The facility is a recognized centre of excellence in the manufacture of electronics for armoured vehicles and for repair and overhaul of airborne maritime surveillance radar products.



### Facilities

With over 350,000 square feet of plant space combined, these facilities house some of the most advanced equipment in this high technology industry, including:

- Class 10,000 and 1,000 clean rooms; 47 class 100 benches
- Prototype, machine and model shops
- Avionics system test facility (STF)
- Environmental stress screening facilities
- EMI/EMC test facility
- Walk-in thermal and humidity chambers
- Optics laboratory
- Automatic harness/MLB chassis test stations
- Module level automatic test equipment
- Materials and processes laboratory
- Qualification, in-circuit, and final system test equipment.

### Accreditations and Certifications

- ISO 9001:2000 Quality Management System
- AS 9100:2004 Quality Management System — Aerospace
- Transport Canada - Manufacturer of Aeronautical Products
- Transport Canada - Approved Maintenance Organization
- FAA - Avionics Manufacturer & Repair Station Approval
- European Aviation Safety Agency (EASA) — Part 145 Maintenance Organization
- Lockheed Martin 'Star' Certified Supplier Partner
- Boeing AS 9001 and AS 9006
- Boeing Preferred Supplier — 'Bronze' Facility.



*For more information, please contact:*

L-3 Electronic Systems  
25 City View Drive  
Toronto, Ontario  
Canada, M9W 5A7  
Phone: 416 249-1231  
Fax: 416 246-2955  
e-mail: [bd.esi@L-3com.com](mailto:bd.esi@L-3com.com)  
[www.L-3com.com](http://www.L-3com.com)

