Safety- and Mission-critical Solutions

Design, Development, Integration, Test and Certification
Full life cycle development with commitment to transparency, on time and within budget delivery for aerospace, defense, maritime and space customers

Systems Engineering
- RTCA/DO-178C, DO-278, DO-254 certification support
- Liaison with certification authorities
- Control system configuration
- System requirements definition and validation
- Requirements management (including tools)
- Stability and dynamic analysis
- Operability analysis
- Real-time and non-real-time system modeling/simulation
- System verification and validation
- Hardware-in-the-loop requirement testing
- Engine and flight test support

Software Engineering
- RTCA/DO-178C, DO-278 development and verification
- Complete software life cycle support
- Control law design
- Operating system and application software design
- Fault management/built-in-test (BIT) software design
- High and low level software requirement definition
- Software testing and independent validation and verification
- Model-based development and verification (BEACON, Matlab, SCADE)
- Process gap analysis and process consultation

Project Management
Project managers at ENSCO Avionics Canada are experienced engineers, who focus on engineering deliverables with an acute awareness of schedule and cost boundaries. We take a customer-focused approach, give regular updates of program status, and schedule and budget to ensure a smooth execution of the project.

Vision Systems Solutions
The IData® Tool Suite is the only data driven HMI application development and deployment environment on the market. It offers unmatched advanced features with seamless integrations for digital moving maps and 3-D views to design powerful, revealing HMI applications that can run on various target platforms. Using IData’s innovative technology, developers can create HMI applications for a broad set of end-user projects across industries.

IGL™ provides graphics rendering in environments without a GPU by communicating directly with a frame buffer attached to a hardware display port, i.e., VGA, XVGA, DVI, HDMI. It features a small footprint, small code base, and fast and efficient performance. IGL implements the industry standard OpenGL® SC.

Customers
GE Aviation
Goodrich
Lockheed Martin Canada
MMIST
Pratt & Whitney Canada

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