ENSCO Avionics Canada offers full life cycle capabilities for safety-critical software development to the commercial and military aerospace industry. Working with suppliers such as Pratt & Whitney Canada and GE Aviation, ENSCO delivers highly efficient and cost-effective solutions to meet the rigors of DO-178C and other regulatory standards.

ENSCO continually provides our customers with a flexible option to meet their demanding time-to-market development needs. Our software engineering staff is experienced in the stringent software development and testing processes associated with airborne systems. We have the management and technical resources to work with our customers across the entire software development life cycle or in any phase.

ENSCO's safety-critical software development solutions offer

- Flexible contractual arrangements — time and materials, fixed-price, cost plus fixed-fee
- Detailed project sizings based on requirements, SLOC, system complexity, and design assurance level
- Full service solutions — prototypes, modeling and simulation, tool selection, test bench design and fabrication, certification support, and maintenance
- A history of being a high quality supplier with the industry's leading aerospace suppliers

Meet your product development requirements, while reducing cost and schedule risk with safety-critical software development solutions from ENSCO Avionics Canada.

Photos left: JSF F-35
ENSCO has experience with all phases of safety-critical software development, including requirements, design, code, test, structural coverage, traceability, quality, and configuration management.

Capabilities
- DO-178C, DO-278, DO-254, DO-200A and other regulatory specifications
- Project management, Earned Value Metrics (EVM), and custom reporting
- Certification consulting, gap analyses, and customized training
- Fully equipped development and lab facilities

Safety-critical airborne software development and verification experience
- Engine control systems — FADEC, EEC, ECU, ELU
- Embedded control systems — FCC, power, actuation
- Cockpit display and vision systems — PFD, MFD, FMS, altimeter, indicator systems
- Navigation and communication systems — SVS, mapping, GPS, data link
- Data acquisition, communication and analysis — prognostics and health management, ARIN429, CAN, CDN, 1553

Benefits
- Transport Canada, EASA, and MIL subject matter expertise
- High-quality, proven processes, SQA and CM
- Experienced in distributed project management and development techniques
- Improved schedule performance
- Competitive, cost-effective solutions
- More than 30 years of industry experience