ENSCO Avionics, Inc.

A wholly owned subsidiary of ENSCO, Inc.

For over three decades, ENSCO has been a prominent avionics development partner, enabling the advancement of sophisticated airborne systems. Today, ENSCO Avionics based in Endicott, N.Y., continues to be a leader in developing avionics solutions.

Whether seeking a partner, a total solution, or complementary engineering expertise, ENSCO Avionics delivers value-added results.

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ENSCO Avionics, Inc. and its Canadian counterpart, ENSCO Avionics Canada, provide safety- and mission-critical engineering and COTS HMI development toolkits to the aerospace industry, for manned and unmanned systems, with a specific focus on DO-178C, DO-254, DO-278A, and military standards. With over 30 years of experience, ENSCO Avionics delivers solutions leveraging its unique portfolio of engineering expertise and HMI designer tools, enabling avionics system providers and integrators to reduce cost, meet challenging schedules, and access industry expertise across the entire system life cycle.

ENSCO
Avionics

Engineering Services

ENSCO Avionics provides safety- and mission-critical software and programmable hardware solutions to avionics systems development programs. Support is provided at any stage of the software development life cycle from requirements through design, code, integration, verification, and certification.

DO-178C & DO-278A Engineering & Certification Solutions

Full and partial turnkey software development life cycle solutions built on more than 30 years of experience and the industry's best practices.

DO-254 Hardware/Firmware Engineering

Development and verification of hardware requirements based on size, complexity and design assurance levels.

Turn-Key Test Solutions

Full Verification & Validation - System, HLR, LLR
Low-Level Testing Services - Unit/Module Test
Modular, scalable and customizable Automated Test Solutions

Certification - Support/Consulting

Full independent certification oversight across a wide range of FAA aircraft system and equipment certifications.

Solutions

ENSCO Avionics provides subject matter expertise and technology baselines—for custom display development, integrated test solutions, and situational awareness applications—to reduce program and certification risk, while accelerating customer program completion.

Custom Developed Display Solutions for Safety Critical Sectors

ENSCO is a one stop supplier for development of on-time, visually rich, simulation, modeling, training, and embedded displays.

Unmanned Aircraft Systems (UAS)

Full engineering, certification and display development solutions for UAS airborne and ground-based systems.

Integration Test Solutions

Unique and customizable test environment to jump-start your systems integration and testing efforts.

SVS Core 2.0 DVE

Tailored Synthetic Vision System (SVS) capability at a fraction of the cost of internal development to achieve increased situational awareness in both brownout and whiteout conditions.

Underwater Synthetic Vision Applications

Tailored Synthetic Vision System (SVS) capability that is platform independent and compatible with any underwater system, the SVS Core provides a clear view representation of the environment over land and underwater.

Products

ENSCO Avionics offers a portfolio of display products, including IData® the only data-generating, certifiable software development toolkit available on the market today. Whether planning to design your own display or leverage existing technology to jump start your development, ENSCO Avionics' products accelerate display implementation and certification.

IData® Tool Suite

An advanced HMI toolkit and application elements for the development and deployment of embedded software display devices including 2D and 3D digital mapping capabilities.

SVS Core 2.0 for Acoustic Synthetic Vision Systems (SVS) & Military Degraded Visual Environment (DVE)

A software baseline for acoustic Synthetic Vision Systems (SVS) and military Degraded Visual Environment (DVE) applications.

IGL®

An efficient OpenGL® safety-critical software renderer.