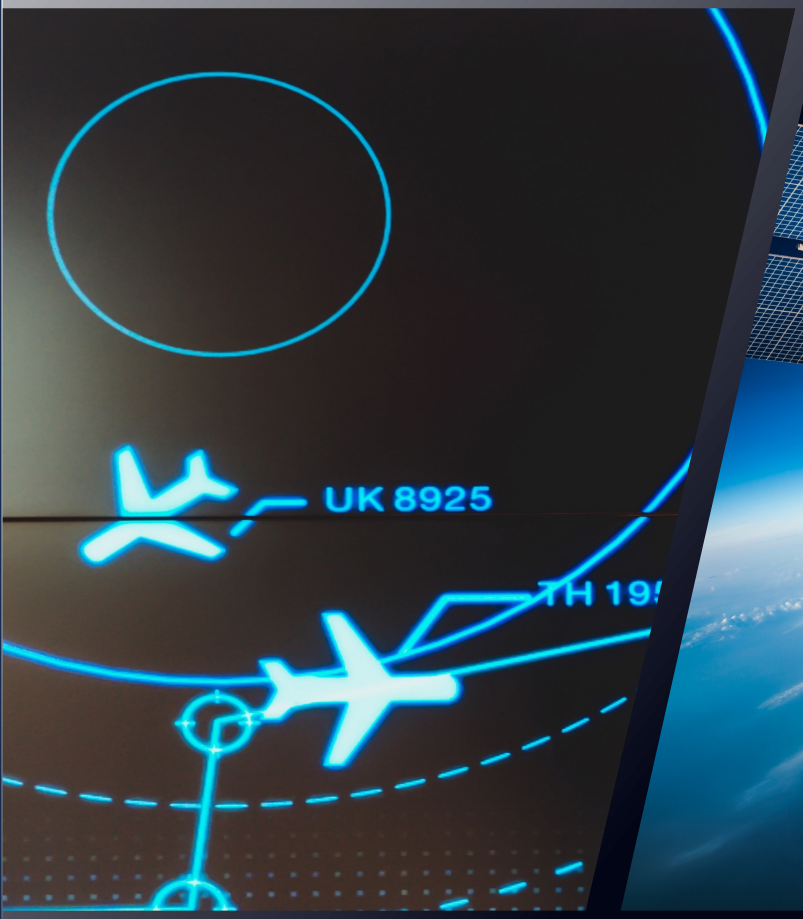
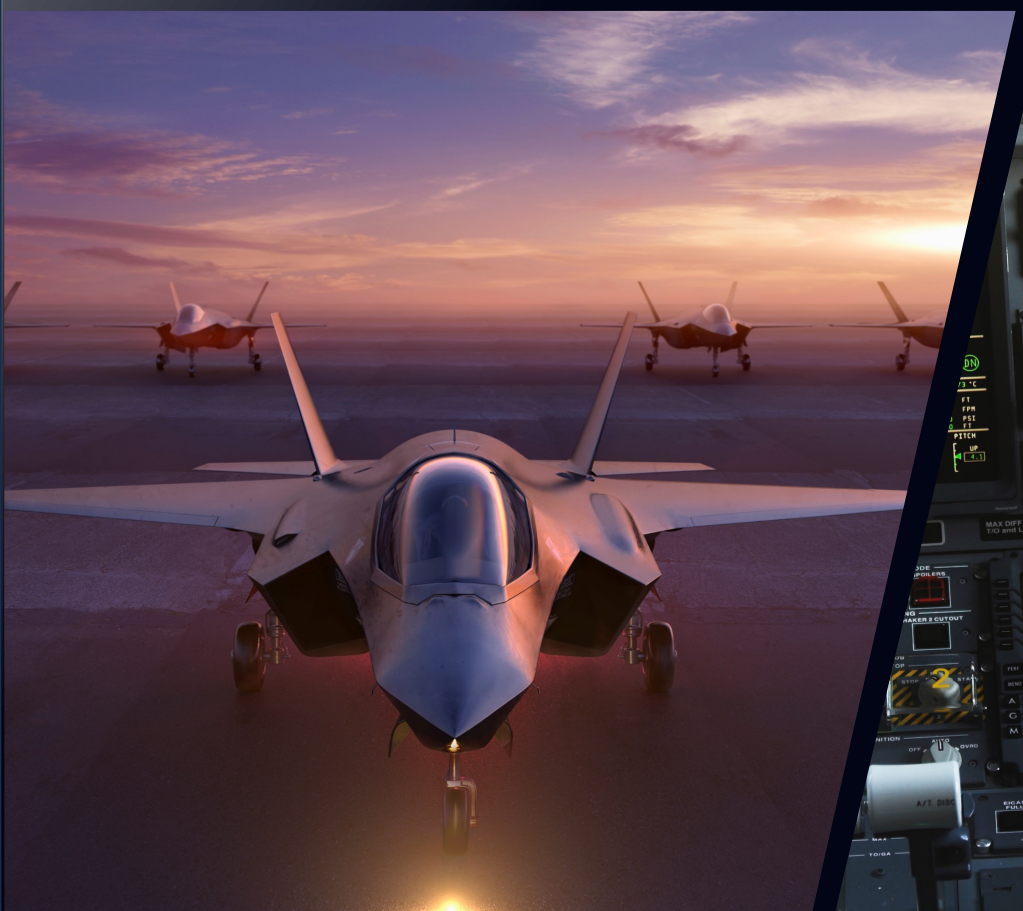
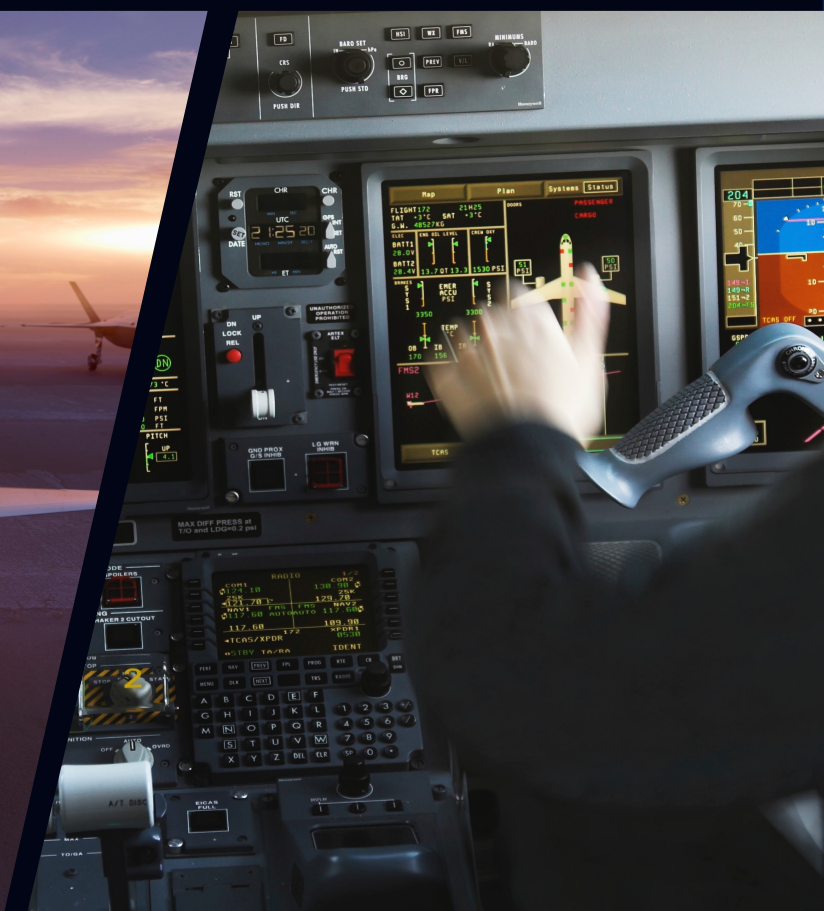
AMD × X-ES

together we advance_

COTS Boards







PARTNER

X-ES

PARTNER TIER

Elite

SOLUTION OFFERINGS

Boards and Kits
Design Services
Embedded Products

DESIGN COMPETENCIES

- Cybersecurity
- Digital Signal Processing
- Embedded Application Development
- Embedded Processors
- FPGA Design and Integration
- FPGA Design Optimization
- Industrial and Mechanical Design
- PCB Design and Layout
- RF and Analog Design
- Signal Integrity Design and Analysis
- System Architecture
- Thermal Design and Analysis

Founded in 2002, Extreme Engineering Solutions (X-ES) is a leader in the rugged embedded computing industry. Designed for unparalleled performance and reliability, their products are deployed and trusted in mission-critical applications in some of the most extreme conditions on Earth.

All X-ES products have earned a reputation as a preferred defense hardware supplier for their uncompromising focus on quality and customer service. X-ES offers a line of embedded processing modules based on AMD FPGAs and Adaptive SoCs, optimized for customizable, high-bandwidth, signal-processing applications. AMD FPGAs also support our SecureCOTS™ framework, which protects sensitive intellectual property and application data from being manipulated, copied, or reverse engineered. To help developers deploy FPGA solutions as quickly as possible, X-ES provides an FPGA Development Kit (FDK) with a pre-validated environment for rapid application development.
In addition to COTS products, their assembly-line design methodology allows X-ES to design custom products on accelerated timelines, minimizing delays to market for even the most advanced configurations.

Product Name	FPGA	Type of Board	Form Factor
XPedite2770	AMD Versal™ Prime Adaptive SoC VM1402	3U VPX	SOSA™ Aligned VITA 46, VITA 65
XPedite2570	AMD Kintex™ UltraScale™ FPGA KU115	3U VPX	VITA 46, PCIe® Gen3
XPedite2500	AMD Kintex™ UltraScale™ FPGA KU115	XMC™	XMC™, PCIe® Gen3
XCalibur5090	Dual AMD Virtex-7 FPGA 7VX690T	6U LRM	N/A
XCalibur4643	AMD Kintex™ UltraScale™ FPGA KU040	6U VPX Single Board Computer	VITA 46, VITA 48, VITA 65, PCIe® Gen3
XPand9020	AMD Versal™ Prime Adaptive SoC VM1402	2U Rackmount Server	OSA, PCIe™ Gen4
XPand6215	AMD Kintex™ UltraScale™ FPGA KU115	Small Form Factor Rugged System	MIL-STD-810, MIL-STD-461, DO-160, PCIe® Gen3