



The Enhanced Display Experts

## Cost-Effective, World-Class Airborne Solutions

Given the realities of the budget climate, today's airborne displays must be cost effective as well as technologically advanced. IEE is committed to delivering advanced display products to our military and commercial aviation customers with a reduced total cost of ownership leading to a compelling ROI.

### Rapid Innovation

IEE's engineering team can deliver new designs quickly. By leveraging our experience and rapid prototyping capabilities, we were able to take the Air National Guard's new F-15 passive attack display from idea to prototype in an unprecedented 90 days.

### A Culture of Responsiveness

As an agile small business, IEE can meet customer requirements with a qualified solution, on schedule and within customer budgets. At the same time, our modern manufacturing facility gives us full control of our production process to build what our customers need when they need it.

### Experienced Integrators

Cost-effective airborne display systems must exist in the complex technical environment of the modern cockpit. IEE knows how to engineer solutions around the constraints of existing avionics, common standards and open architectures.

### Field-Proven Reliability

In business for almost 70 years, IEE has delivered tens of thousands of displays to military customers. We know what it takes to keep electronics flying under demanding conditions.

### Component Lifecycle Management

Ensuring components remain available is critical to managing total cost of ownership. IEE works with leading glass suppliers to ensure that any LCD panel we incorporate into a product will be available for seven years to minimize future redesign costs.



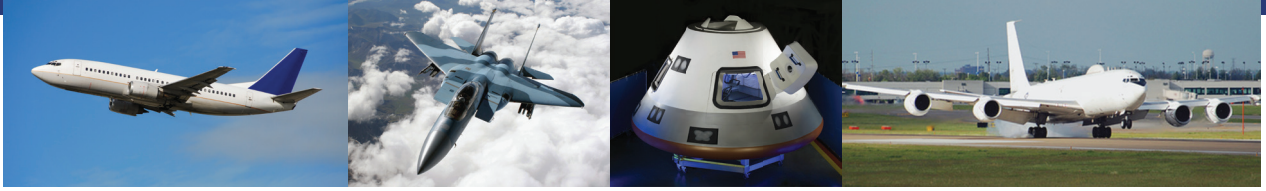
*F-15 Passive Attack Display*



*Space Capsule Primary Display*



# Customized Displays for Rugged Applications



## F-15 Passive Attack Display

When the Air National Guard wanted to update the F-15 cockpit to include a 10.4" smart display to replace the functionality of existing cockpit instrumentation while adding support for a new multi-sensor targeting pod, IEE delivered a prototype in just 90 days and flight-test units within 150 days of project approval.

## E-6 Brake Temperature Display Unit

IEE supplies a critical piece of safety equipment for the Navy's E-6B airborne command post. The IEE BTDU was designed around an x86 processor and ARINC-429 avionics bus interface. The flight software was developed and tested to FAA D0178B standards.



## Enhanced Airborne Data Loader

Installed on thousands of Boeing 737 and A320 aircraft, this IEE module has been flying for almost a decade. Careful design refreshes have kept the form factor and interfaces intact, while updating to the latest display and storage technologies, minimizing the need for redesign and recertification of the entire unit.

## Space Capsule Primary Crew Display

NASA's Commercial Crew Transportation System program seeks safe, reliable and cost-effective access to low earth orbit by leveraging COTS components and commercial design methodologies. IEE built a space ready, radiation tolerant MFD to serve as the primary crew display in the CTS-100 capsule.



## Trusted Provider of Enhanced Displays Since 1946

From rapid prototyping of custom designs to full-scale production runs, IEE's 130,000 sq. ft. factory in Van Nuys, CA produces innovative displays with advanced features like multi-mode backlighting, optically bonded touch screens and lightweight, ruggedized enclosures. IEE's direct control of critical process steps reduces costs, decreases production lead times and improves lifecycle management.



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