



FDI
FORWARD
DEPLOYED
INTEGRATION

CAPABILITY BRIEF / 2026.10

We turn critical components into deployable mission systems.

Built for the Point of Need.

Designed, manufactured, and supported so capability can be restored where it is used.

Forward Deployed Integration is developing modular aerospace and defense systems, with production, logistics, repairability, and sustainment as design requirements.

THREE WAYS TO START

COMPONENT LOCALIZATION

Replace a restricted, obsolete, or fragile component with a producible alternative.

QUIVER REFERENCE PLATFORM

Build, configure, and integrate a controlled modular UAS reference architecture.

MISSION INTEGRATION

Integrate payloads, autonomy, communications, compute, and ground systems onto modular aircraft.

THE COMMERCIAL LADDER

PART > ASSEMBLY > SUBSYSTEM > PLATFORM > MISSION SYSTEM

Engage at any rung: a single part, an assembly, a subsystem, a platform, or the complete mission system.

DESIGN DOCTRINE

MODULAR

Change modules instead of redesigning platforms.

REPAIRABLE

Restore capability without unnecessary depot dependence.

REPLACEABLE

Failure is expected; replacement paths are designed in.

MANUFACTURABLE

Production reality is an engineering requirement.

SOURCE-RESILIENT

Critical dependencies need alternatives or redesign paths.

OPEN

Avoid unnecessary lock-in and document interfaces.

CONFIGURABLE

Common architectures support multiple mission profiles.

SUSTAINABLE

Spares, tooling, documentation, and lifecycle support are products too.

DEVELOPMENT STATUS

Catalog families are in development or planning. Our first reference build is being prepared; hardware has not yet been acquired and physical test results are pending. Website films are labeled AI concepts, not operational evidence.

Production availability, technical data and delivery timing are confirmed for each engagement. Origin, performance, certification and readiness claims require reviewed evidence.

START A CONVERSATION

www.fdiaero.com/contact

Non-sensitive inquiries only.

Use an approved process for controlled data.