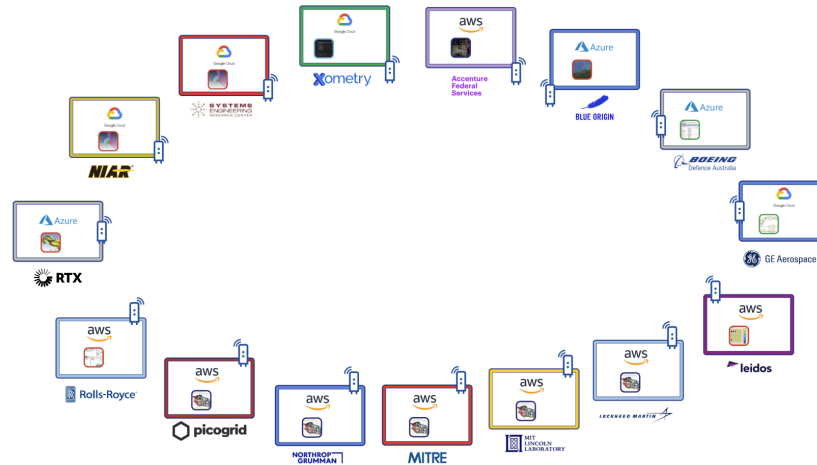

“Integrating sensitive data without aggregating it in one system is a need spanning the Department,” – Dr. Will Roper

Industry Øne

Istari Digital established a team of 15 Aerospace and Defense organizations, comprised of industry and FFRDC/UARC participants, to support a one-year OTA effort with the DAF Digital Transformation Office, titled Industry Øne. Industry Øne was established to solve a persistent industry challenge: how to collaborate across organizational boundaries without centralizing data or sacrificing IP.

- **15 MEMBERS DRAWN FROM DIB AND FFRDC/UARC PARTNERS.**
- **CONNECTED TOOLS, NOT CENTRALIZED DATA - EACH PARTICIPANT WORKS IN THEIR OWN ENVIRONMENT AND SHARES ONLY WHAT THEY CHOOSE.**
- **PROVEN THROUGH A REALISTIC MOCK USE CASE - A FULL UAV SYSTEM DESIGN SPANNING ALL MEMBER ORGANIZATIONS.**



notional to show capability

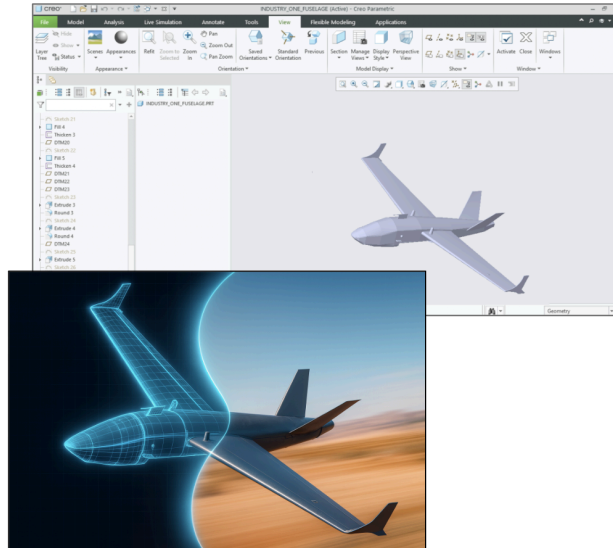
Use Case and Models

A mock UAV system design built to demonstrate how defense organizations can connect their own tools and share data across organizational boundaries - without centralizing data or sacrificing IP.

Created specifically for Industry One - realistic, meaningful, and completely unclassified and non-proprietary.

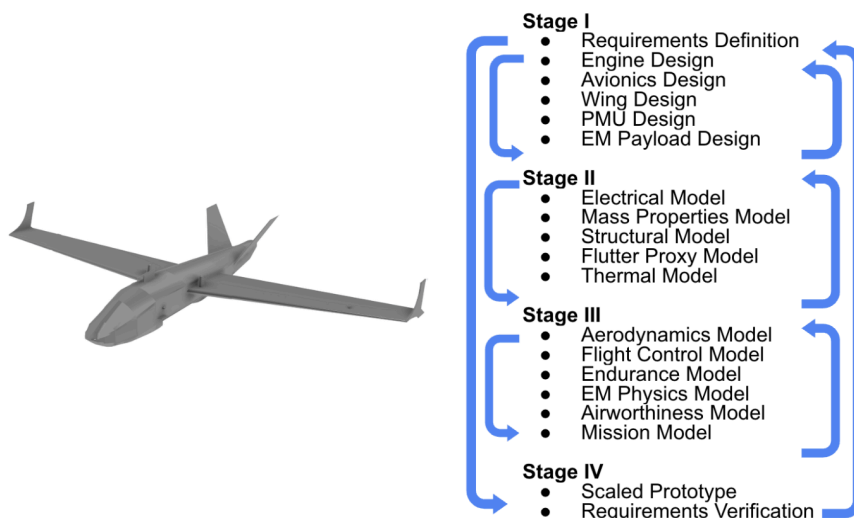
Each participant owns their domain and works in their own environment, sharing outputs but never underlying data.

The result spans four stages of a complete design lifecycle - from component design through requirements verification.



Use Case: The System

- **Context:** UAV system design with EM payload and a variety of cross-domain design-and-analysis activities.
- **Modeling:** Basic models have been developed using an array of engineering software: Creo, NX, Nastran, Catia, Ansys HFSS, Excel, MATLAB.
- **Collaboration:** Participants are assigned domain responsibilities based on tool availability and connectivity constraints.



Istari Digital

A digital infrastructure platform built for engineering data, enabling defense and aerospace organizations to collaborate in real time without relinquishing control of their data or IP.

- **Faster:** requirements validation compressed by 41%, work orders reduced from hours to seconds, AI-native design workflows 75% faster.
- **Safer:** data never leaves your environment; all access controlled, auditable, and revocable. AI guardrailed deterministically for accountable, zero-hallucination workflows.
- **More collaborative:** works with your existing tools, IT environment, and security standards; no rip and replace, no compromise on IP.

SCAN TO SIGN UP FOR A DEMO

THE ERA OF AI-DRIVEN ENGINEERING IS HERE. IT JUST NEEDED
THE RIGHT EMPOWERING INFRASTRUCTURE.

ENGINEERS LOVE FASTER. APPROVERS NEED SAFER. ISTARI
DIGITAL DELIVERS BOTH.

