
“Engineers love faster. But if it’s your dotted line to sign, safer is what moves the pen. At Istari Digital, we’ve finally brought faster and safer together.” – Will Roper

Industries building the physical world depend on complex digital environments — but infrastructure hasn’t kept up. Tools: Don’t interoperate. Networks: Fragmented. Authorities: Siloed.

Leveling the Digital Playing Field

New infrastructure — from ancient roads to modern telecom — connected people in more complex, empowering ways. So did the internet...for individuals. For enterprises, skyrocketing data and AI value makes any uncontrolled IT environment a liability.

ISTARI’S SOLUTION: DECENTRALIZED, VENDOR-NEUTRAL INFRASTRUCTURE — CALLED GROUND.

Cloud is shared computing. Ground is shareable connection protocols running on your IT. It works with any tool, any IT environment, any compliance standard, any security level.

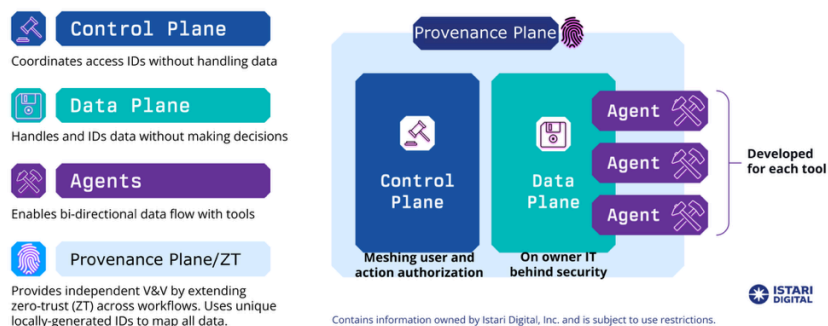
What can you do with it?

- **Collaborate in real-time directly from truth sources without upload risks.**
- **Federate CI/CD to handle security, compliance — all the red tape, now ambient.**
- **Generate universal provenance separately from sensitive data.**
- **Guardrail AI deterministically for accountable AI workflows.**

Any “one system to rule them all” — *hasn’t* and *won’t*. Now, there’s no need. All tools and teams participate on a level playing field of peer-to-peer protocols no one owns, all can verify. Software pipelines can finally undergird the security of all industries — work can be faster *and* safer.

BEFORE THE TELEGRAPH, HUMANS HAD TO CONSOLIDATE TO SHARE INFORMATION. BEFORE GROUND, SO DID ENTERPRISE DATA. GROUND CONNECTS DATA INTO ONE DECENTRALIZED ECOSYSTEM: LOCALLY GOVERNED, GLOBALLY ACCESSIBLE, UNIVERSALLY PROVENANCED.

How the Platform Works



Sovereign Data Planes: Data owners self-onboard Istari's software stack behind their firewalls. Tool agents convert proprietary formats into machine-interpretable data locally. Collaborators and AI work with models without accessing raw files. If tools don't interoperate, their data can.

Control Planes: Meshing enclaves enforce access across organizations — with no central data visibility. Federated zero-trust approves every interaction — separately authenticating and auditing.

Provenance Planes: All users, artifacts, and actions receive a locally-generated, universally-unique ID. Collision and hallucination probabilities are mathematically minuscule. IDs become the shared language between Data and Control Planes — meaningless outside an owner's IT, powerful inside.

Interfaces: Software Development Kits make workflows, security, compliance, and tool operations programmable. Configuration becomes code. Deterministically-guardrail LLMs become a natural-language interface — making engineering easy and accessible for everyone.

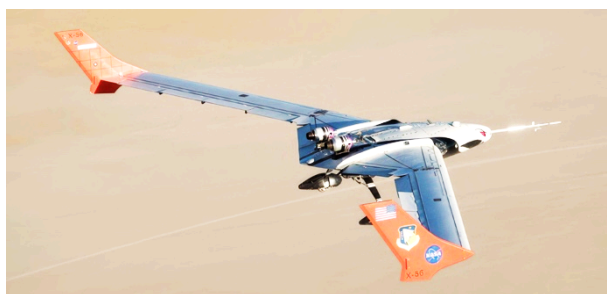
Results

Leading aerospace and defense primes deploy Istari to do the following:

- **Change management** — work orders reduced from 1 hour to seconds. 1000+ hours saved.
- **Agentic AI Design** — **75% faster, 40% better than humans. No unprovenanced outputs.**
- **Requirements validation** — simulation and verification workflows compressed over 41%.
- **Test procedures** — AI-generated analysis reducing manual work by 50%.
- **RFI response** — multi-day delays → natural-language answers in minutes.

Case Studies

Flyer Øne X-56A: AFRL & Lockheed Martin Skunk Works®



Digital aircraft certification, continuous compliance.

- Over 500 artifacts digitized
- Over 50% workflow reduction
- Dynamically updated Digital Flight Envelope
- Multiple authorities, 1 federated truth

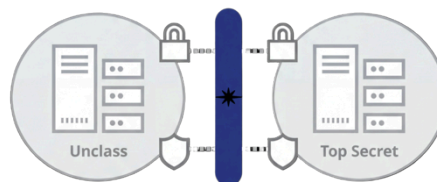
AI-NATIVE ENGINEERING. A LARGE SPACE COMPANY COMPRESSED DESIGN-TO-MANUFACTURING FROM WEEKS TO DAYS. ENGINEERING BECAME CI/CD TESTS. MANUAL WORK BECAME CONTINUOUS OPTIMIZATION. 75% FASTER. 40% BETTER PERFORMANCE. EVERY STEP MATHEMATICALLY TRACED. ZERO HALLUCINATIONS.

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.**

Model Øne: Secure Multi-Organization, Multi-Level Collaboration



Secure collaboration across orgs and classification levels — without moving files.

- Artifacts accessed, never transferred
- Access controlled at the model-element level. Transparent. Reversible.
- End-to-end traceability across IT

