

LINKS DIGITAL TO PHYSICAL

Models physical behaviors (e.g., flight paths), basic orbital mechanics, and networks into a single, integrated environment for combined analytical insights.

- Kill Chain Analysis
- Joint All-domain Analysis
- Networks & Architecture
- Situational Awareness

INTEROPERABLE

Brings the right, tailored level of fidelity to all relevant domains.

- Engineering, Systems, and Network Sources
- Mission and Operations
- Simulation Data

MODEL-BASED SYSTEMS ENGINEERING ARCHITECTURES

Supports development and integration of MBSE models from the component level to complex systems, platforms, and networks.

- Component/ Subcomponent Models
- System of Systems Architectures

EFFICIENT



ArcherEye empowers engineers, program managers, and decision makers across DoW, Intelligence, and other government agencies.

It streamlines the analytic process, reduces errors, and minimizes cost by automating ingestion of structured data sets into the ArcherEye data model and generating engineering viewpoints.



ARCHEREYE ENABLES DIGITAL TRANSFORMATION

- **Integrated Digital Engineering** environment.
- **Defines, develops, refines, and evaluates** complex System of Systems solutions and digital twins.
- **Proven** MBSE principles.
- Uses **quantitative** technical and operational metrics.

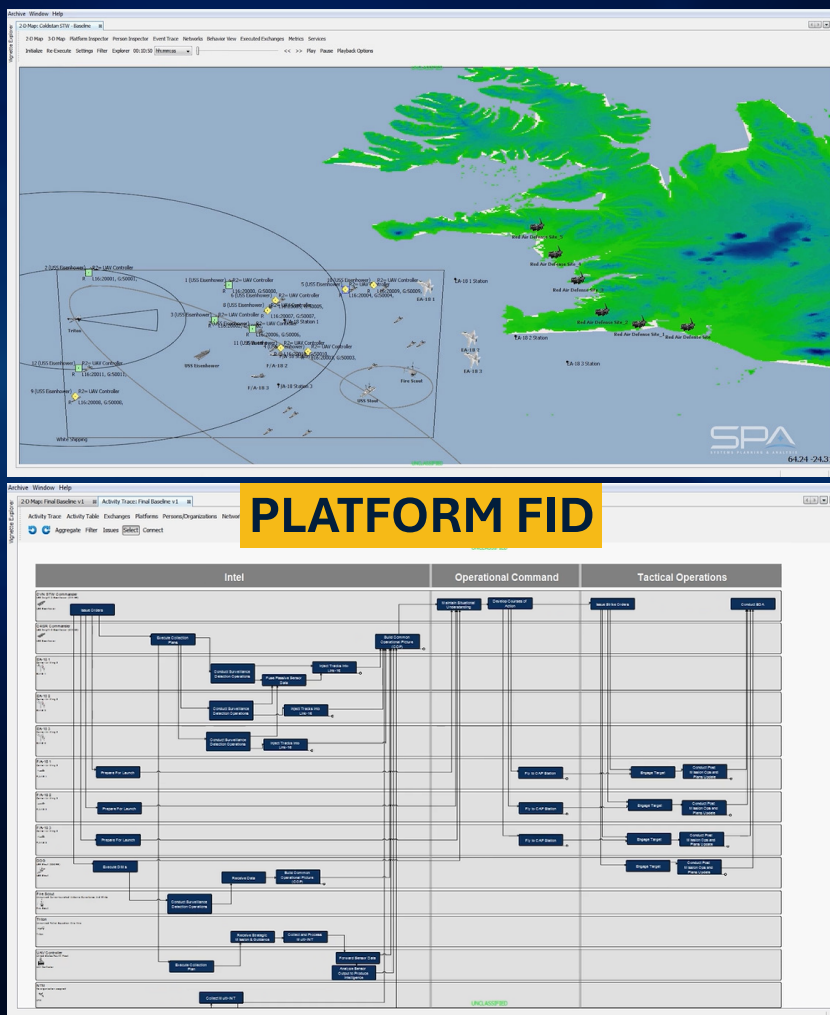
Mission data is captured in an Operational View and includes all key performers, platforms, and significant communications pathways in the mission thread.

CONOPS are articulated in a time-phased Activity Trace (SV-6) that captures Blue and Red mission operational activities.

Operational activities are decomposed into supporting system functions, which are then mapped to individual systems and their services.

Individual systems are characterized at the component level of detail and are directly mapped to the architecture as the foundational building blocks for each platform.

System data is derived from authoritative sources and is exportable to a variety of formats (e.g., Cameo Systems Modeler).



ARCHEREYE EXPLICITLY MODELS THE ENTIRE OPERATIONAL NETWORK TO ASSESS FOR FULL MISSION IMPACT

Automatically generates **architecture views** and simulates the SoS architecture to evaluate its effectiveness.

Integrates architecture with **modeling and simulation** to support the entire Systems Engineering V.

Captures all **System of Systems information** at the data level.

Enables **traceability from integrated data** through high-level Operational Views to individual system components.

◆ Decision Advantage for National Security

Systems Planning & Analysis (SPA) is a global, independent analytical and technical innovation firm advancing complex national security priorities. SPA delivers mission engineering, advanced analytics, operational insights, and technology-enabled solutions that accelerate capability delivery and inform strategic decision-making across defense, intelligence, homeland security, and other critical mission areas.



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