

ARA uses leading-edge Digital Engineering and Model-Based Systems Engineering solutions to rapidly design and evaluate technologies for new warfighter capability designs.

DIGITAL ENGINEERING ENVIRONMENTS FOR:

- ANALYSIS OF ALTERNATIVES
- MISSION ENGINEERING
- WEAPON DESIGN
- REQUIREMENTS TRACEABILITY

DEEP AND CROSS DOMAIN EXPERTISE IN:

- WEAPON DESIGN AND MANUFACTURING
- CYBER, EW, AND KINETIC WEAPONING AND SURVIVABILITY
- MODERN SYSTEMS ENGINEERING
- OPEN DATA SCHEMAS AND APIS

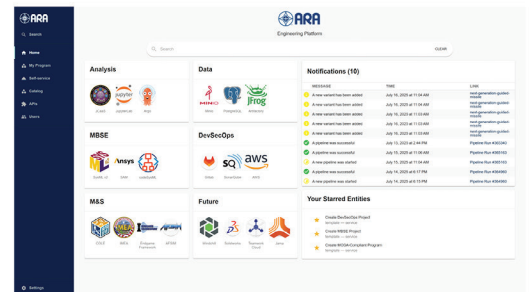
OPEN DIGITAL ENGINEERING ENVIRONMENT

- Cloud-based, scalable environments that provide a rapidly deployable and tailorable computational proving ground for new warfighter capabilities
- Open Data Fabric comprised of open APIs and data standards built to integrate M&S and decision support tools
- Traceability from requirements, MBSE, and M&S tools for analysis of alternatives
- CodeSysML provides a simpler interface to the SysML v2 API, allowing developers to easily and programmatically create, read, update, and delete model elements from a SysML v2 model



DIGITAL ENGINEERING PLATFORM

- Cloud Accelerated Platform Optimized (CAPO) libraries for streamlined deployment of cloud applications
- Fully customizable portals that ingest metrics for visualization
- Self-service workflows that streamline provisioning of project tools and allow users to build their own Digital Environment



GAUNTLET

- Enables comprehensive and quantitative full-spectrum survivability and lethality analyses for a given mission thread
- Models the System Under Test and Analysis Case using SysML v2
- Leverages combined cyber, EW, and kinetic effects

