

CAPABILITY-BASED INVESTMENT PLANNING

AFRL DIGITAL TRANSFORMATION FOUNDATIONAL CAPABILITIES

WHAT A DIGITALLY TRANSFORMED AFRL LOOKS LIKE

A Digitally Transformed AFRL optimally utilizes its people, processes, and data to design and execute its portfolio to enable the Department of the Air Force to deliver needed capabilities to the warfighter at the speed of relevance. The Digital Transformation Strategy features foundational capabilities that measurably accelerate the generation and transition of adoption-ready technology with demonstrable military benefit.

Conduct capability-based investment planning and portfolio assessments anchored in intelligence-informed enterprise modeling, simulation and analysis

AFRL needs to “go fast” in the right direction to ensure technology-enabled capabilities are delivered to the warfighter at the speed of relevance. To align resources to the right priorities and achieve transition success, AFRL will conduct capability-based investment planning and science and technology portfolio assessments anchored in intelligence-informed modeling, simulation and analysis.



DELIVERABLES

- Application Suite for R&D planning and management
- Capability-based investment planning framework
- Ecosystem for multi-domain MS&A and trusted military utility assessment

BENEFITS TO CUSTOMER

- Better Decisions and Streamlined Transitions:
 - S&T investment decisions aligned to both operational imperatives and strategic priorities
 - Confidence in assessments of military utility, cost estimates and transition readiness
 - Continuous assessment of S&T progress with less disruption to S&Es
 - Digital technical data packages to support transition customers

TECHNOLOGY CHALLENGES

- Trusted multi-domain Model/Analyze methods for high-priority warfighting scenarios – model/analyze both within and across levels of the MS&A Pyramid
- Low-friction and trusted methods for S&T portfolio and program planning, assessment, prioritization, oversight, management and execution
- Coupling between technology development, capability concept development, strategic development planning, development planning and future force design