

The Aether logo, featuring a stylized 'A' icon followed by the word 'AETHER' in a bold, sans-serif font.

AETHER

TRAJECTORY GENERATION

Generates high-fidelity ballistic and hypersonic trajectories using customizable dynamics models, constraints, and advanced mathematical methods. Designed to rapidly produce realistic kinematic data sets for analysis, simulation, and mission planning.

The Athena logo, featuring a stylized 'A' icon followed by the word 'ATHENA' in a bold, sans-serif font.

ATHENA

ENGAGEMENT OPTIMIZATION

Automated command and control determining optimal weapon-target pairing based on user-defined objective functions. Athena applies proprietary optimization algorithms to generate real-time engagement strategies and maximize mission effectiveness.

The DFUSE logo, featuring a stylized 'D' icon followed by the word 'DFUSE' in a bold, sans-serif font.

DFUSE

TRACKING & FUSION

Containerized tracking and fusion service integrating 2D angle-only measurements with 3D track states to produce continuous, multi-phenomenological tracks. Built to support live test events and operational environments, including integration with UCI message protocols.

The Morpheus logo, featuring a stylized 'M' icon followed by the word 'MORPHEUS' in a bold, sans-serif font.

MORPHEUS

AI-ENABLED DIGITAL TRANSFORMATION ENGINE

AI-enabled platform automating software architecture development, ontology mapping, software adapter generation, and documentation creation. Designed to deliver secure, customized digital threads in weeks not years, supporting deployment as a containerized platform or hybrid service for sensitive environments.

The SCALE logo, featuring a stylized 'S' icon followed by the word 'SCALE' in a bold, sans-serif font.

SCALE

SUPPLY CHAIN ANALYTICS & LOGISTICS ENVIRONMENT

Davidson-developed, AI-enabled supply chain platform transforming fragmented logistics data into actionable intelligence. SCALE delivers predictive analytics, accurate forecasting, and real-time visibility through a unified interface, empowering a mission-ready supply chain ecosystem. Now under contract with U.S. Air Force.

The SPACE logo, featuring a stylized 'S' icon followed by the word 'SPACE' in a bold, sans-serif font.

SPACE

SIMULATION PLATFORM FOR ADVANCED DIGITAL ENGINEERING

Event-driven simulation framework enabling rapid modeling and simulation, Monte Carlo execution, and high-quality synthetic data generation for machine learning training. Includes modular representations of threat trajectories, RF/IR sensors, tracking systems, interceptors, and command and control logic within integrated operational environments.

WHO WE ARE

Built for *speed*. Designed for *integration*.

Davidson's software tools are engineered to operate within complex, evolving mission environments — where integration, security, and speed are critical to operational success. Each solution is designed to deploy rapidly, integrate seamlessly, and scale with mission needs.

01 MODULAR

Rapidly configurable to meet evolving mission requirements without reengineering core systems.

02 SECURE

Deployable within classified and sensitive environments, supporting mission assurance at every level.

03 INTEROPERABLE

Designed to integrate seamlessly with existing architectures, data sources, and operational workflows.

04 ACCELERATED

From concept to capability in weeks not years — enabling faster deployment and decision-making.

HEADQUARTERS

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Innovate with Purpose. Deliver with Speed. Empower the Warfighter.