Benefits & Features

- **Multi-Domain Platform for Unit-level and Enterprise Training & Operations**

- **Common Data Model Brokerage & Archive Enables True Learning Management**

- **Advanced Analytics for Real-time and Post - Mission Analysis**

- **Streamlined User Interface**

- **Server/Client Relationship for Remote Access and Data Sharing**

- **Open Architecture Extensible to Existing Systems, Adaptable to Emerging Technologies**

- **Advanced 4K Visuals that Drive Accelerated Learning**

Cubic's **S**implified **P**lanning **E**xecution **A**nalysis **R**econstruction - **SPEAR**™

A revolutionary learning platform for multi-domain operations and training

Advanced data brokerage, analysis and archive paired with best-of-breed visual techniques make SPEAR an indispensable live monitor and debrief asset.

Pilots and aircrews worldwide have relied on Cubic's Individual Combat Aircrew Display System (ICADS®) as their choice of combat display and debrief software system. However, in order to tackle the complexities of modern multi-domain operations and training, Cubic developed SPEAR as a clean-slate solution to provide an order of magnitude increase in capability founded on three key concepts:

Live, Virtual, Constructive (LVC) Integration

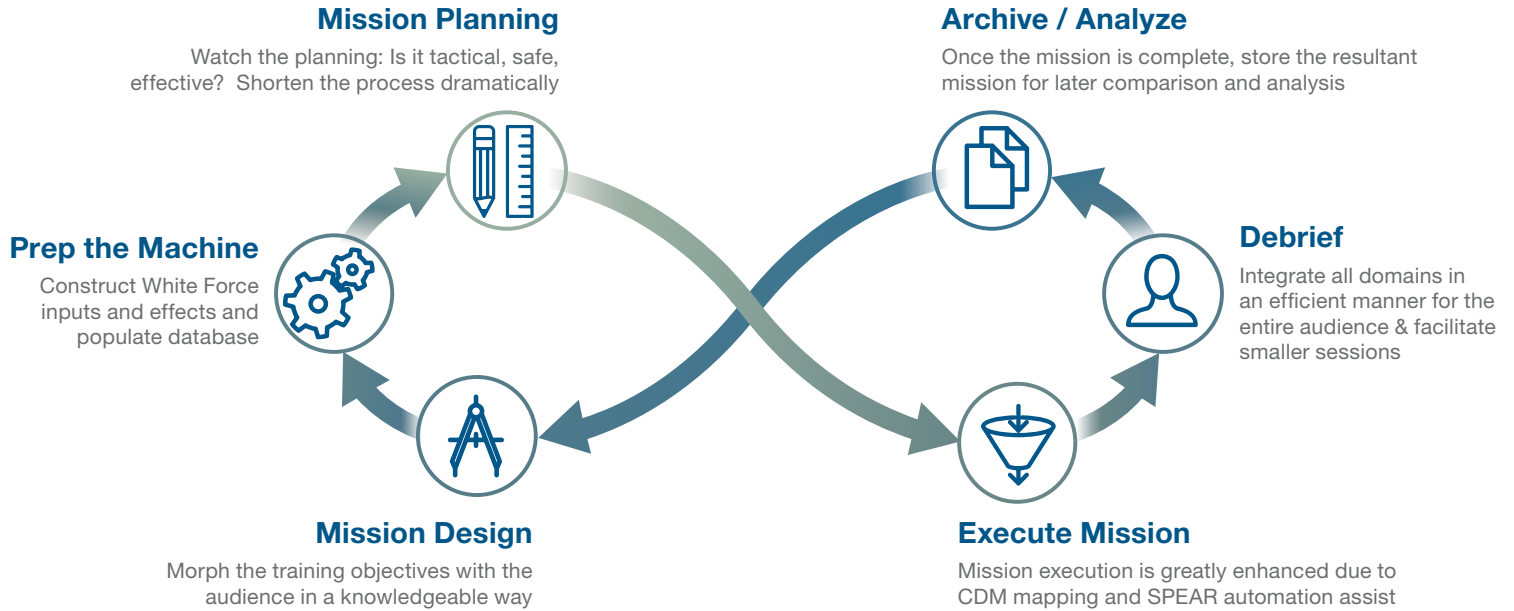- Combining the best of each environment to minimize training/operational shortfalls

Common Data Model (CDM)

- Physical, Physiological and Psychological data in a common format, enabling holistic analysis

Learning Management with Rapid Analysis

- CDM/LVC coupled with complexity scoring and feedback, suggests informed enhancements across the enterprise

Simplified Planning Execution Analysis Reconstruction

Mission Planning
Watch the planning: Is it tactical, safe, effective? Shorten the process dramatically

Archive / Analyze
Once the mission is complete, store the resultant mission for later comparison and analysis

Prep the Machine
Construct White Force inputs and effects and populate database

Debrief
Integrate all domains in an efficient manner for the entire audience & facilitate smaller sessions

Mission Design
Morph the training objectives with the audience in a knowledgeable way

Execute Mission
Mission execution is greatly enhanced due to CDM mapping and SPEAR automation assist
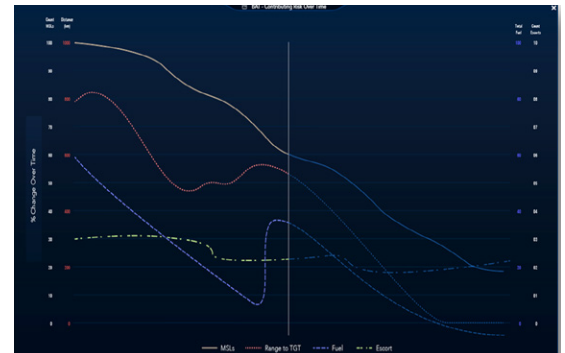

Learning Acceleration through Advanced Visual Techniques

- SPEAR analyzation and display techniques are designed to rapidly advance proficiency in the first two steps of the "OODA Loop:" Observe and Orient (or assess), so that "*Decide*" and "*Act*," can be demonstrated correctly, more often and earlier in the learning process.

It's all about the Data

- Advanced Analytics applied during After Action Review and Debrief feed data store for true Learning Management at the Individual Level, and enable Enterprise-level Analysis for system improvements and AI Development.

Getting to the Truth Faster

- When "*What Happened*" is clearly depicted at the start of the debrief, warfighters have the quality time to focus on "*Why it Happened*" using enriched mission data supported by advanced analytics - faster.

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