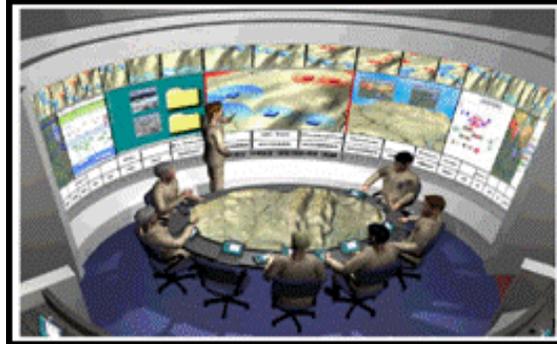




## *USTRANSCOM Science and Technology*

### **Cognitive Alerting and Visualization**

**Project Summary:** Project to develop work-centric cognitive based visualization, alerting and optimization tools/capabilities for the United States Transportation Command (USTRANSCOM) Fusion Center. The work will focus on leveraging and developing cognitive based visualization (and alerting), and then optimizing for option generation based on user defined criteria. Focus is to enable mission planners to proactively develop recommendations and make decisions from initial identification of movement requirements through validation and movement planning. The effort will consider and recommend (from an organizational effectiveness perspective) the required enabling capabilities to support optimized global distribution operations.



**Return on Investment:** This effort will focus Subject Matter Expert (SME) thought leadership on the military aspects of optimization including air refueling, munitions transportation (military escorts), port handling and mobile nature of port operations; necessity to maintain operational readiness and 100% asset visibility; and the dynamic nature of politico-military affairs that necessitate numerous re-planning cycles before execution decisions are made. By analyzing these aspects in military applications, the RDT&E effort will significantly enhance the ultimate integration of capability which will result in shorter development schedules, higher quality solution sets, and higher initial customer satisfaction resulting in less re-work.

**Duration of project:** FY09 – FY11

**Participants:** USTRANSCOM, Air Mobility Command (AMC), Air Force Research Lab (AFRL)

**Project advocacy (funding or otherwise):** USTRANSCOM

**Transition:** Key milestone decisions for the RDT&E effort include successful user acceptance and technology evaluation and endorsement

**USTRANSCOM POC office code:** TCJ5-JT/618-229-1109