

## Case Study: Mission Management Visualization

### The Challenge:

Develop a series of web-based geospatial and data detail visualizations and applications against an organization's mission management health and status data sources. These visualizations are to provide access to relevant information by user role and access rights regarding mission assets, their relationships, and the measurement of data events that correspond to the health and status of monitored systems and information flow. The model is a web-oriented architecture design in which the mid-tier provides all interactions as web services and holds no notion of a presentation. Deployment of the visualizations may take place from any resource. However, the service provider platform is the basis for the business logic and data request engine that drive the visualization rendering layer and allow for a rapid application development context.

### The Solution:

Edge developed the Mission Management dashboard visualizations in the form of multiple data-rendering and interaction widgets that utilized the Rich Internet Application technology Adobe Flex.

This provided several key features:



- Multiple view perspectives over a given data set, which allows users to see data the way they want to view it.
- Data drill-down and event alerts.
- Flexibility in the configuration of a user's view space to allow for customization of specific view applications geospatial context and relationships and varied forms of view navigation.