



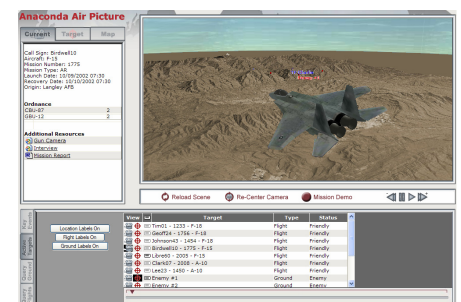
Market: Research & Development

Customer: DARPA and US AIR FORCE

Problem: The United States Air Force and DARPA needed a lessons learned solution on Operation Anaconda, an 18 day air campaign in Afghanistan. The US Air Force had hundreds of gigabytes of data in disparate data sources and countless file formats; they wanted a web-based solution for access to all relevant data as well as 3D, data driven visualization of the entire air campaign.

Solution: Bridgeborn developed a Service Oriented Architecture and used web services as well as Extract, Transform, Load, and Visualize© (ETL-V), technologies in a Rapid Application Development (RAD) environment to create two separate solutions: 1) a digital dashboard with sliding timeline for access to all multimedia, e-mail and documents; 2) a completely data driven visualization of the entire air campaign during Operation Anaconda. The digital dashboard provided easy access to mission critical data through intuitive tools including a 4-view port window to access multimedia, a sliding timeline for historical data and a windows style folder directory. The 3D visualization was a data driven solution built from satellite imagery and elevation data as well as JSTARs and AWACs information regarding speed, heading, altitude, ordnance dropped etc. The result was a completely interactive, high fidelity reconstruction of the entire air picture which was used to play and replay any of over 3000+ sorties during the air campaign.

Services Provided	
✓	Analysis
✓	SDE&I
✓	Data Visualization
✓	Support Services
✓	Training and Education
✓	Research and Development



Value to Client: Bridgeborn's entire solution was web-accessible through the SIPRnet allowing our client to easily and effectively retrieve data and mission critical information. The 3D reconstruction provided unprecedented visibility into the air campaign and dramatically improved the value of the lessons learned solution. Deliverable was used at leadership conferences including Corona as well as war colleges.