

## GOVERNMENT: Real-Time Signals Intelligence For Mission Critical Deployments

### The Challenge:

Signals Intelligence (SigInt) is the intelligence gathered from the interception of electronic signals and communications from foreign targets. It provides military forces and policymakers with vital data to aid in defense and national security. However, an increase in the number and accuracy of SigInt sensors is resulting in unprecedented amounts of data, overloading the analysts tasked with monitoring and searching the information gathered for valid intelligence.

### The Solution with Objectivity:

A branch of the US Military tapped into the power of Objectivity's technology to develop a fusion framework that correlates vast amounts of video and other streaming data from multiple sensor feeds in the sky and on the ground. An expert knowledge base is applied to organize the data and minimize the result sets that are presented to the analysts. This fusion framework is deployed within surveillance and radar systems used by various aircrafts. Objectivity's technology supports parallel data loading and accelerated ingest so that data from many input streams can be continuously and quickly fed to applications for real-time analysis.

The ability to effectively intercept, process and analyze an increasing volume and variety of signal data can have a direct impact on the security of the U.S. and its allies. The analysts grappling with this information are often drowning in data. A solution that eases the timely detection and understanding of relevant information can not only reduce strain on analysts, but also increase productivity, improve accuracy and prevent valuable intelligence from being lost.



*Objectivity's graph platform for analytics and relationship discovery enables national security organizations to find actionable intelligence in real-time for mission-critical deployments.*

The capabilities and efficiencies enabled by the fusion framework are more relevant than ever to government organizations. This application built with Objectivity's technology enables analysts to better manage the continual flood of sensor data, and also identifies meaningful correlations that aid in the complete and timely assessment of intelligence information. It is used to uncover potential foreign military actions, monitor weapons programs, strengthen U.S. alliances and save lives. The highly regarded solution is incorporated into the world's most advanced defense systems and is used as a stand-alone component for mission planning.