Altamira LUMIFY is a big data fusion, analysis, and visualization platform which enables users to discover connections and explore relationships in massive volumes of data. Using LUMIFY’s suite of analytic options, including graph visualizations, full-text faceted search, intelligent agent integration, dynamic histograms, interactive geospatial views, and collaborative workspaces, analysts are able to ask deep questions of data, and share answers in real-time.

SAP HANA® amplifies LUMIFY’s capabilities by providing the ability to rapidly ingest, store and retrieve the bulk data that analysts need, at incredible speeds. LUMIFY takes advantage of these fast retrieval capabilities to quickly fuse data and information from human, sensor, and/or open source information to create actionable intelligence. Together, LUMIFY and SAP HANA® provide the backbone of anticipatory intelligence capabilities.

**KEY FEATURES**

- Graph engine for link analysis
- In-memory calculation engine for mission-specific functions and algorithms
- Predictive analysis library of formulas and algorithms
- Natural Language Processing for unstructured text
- Geospatial analysis
- Ingest of seized information in a tactical environment
- Event Stream Processing for real-time streaming data
- Seamless Smart Data Access™ to Hadoop and on-disk databases
- Open Standards connectivity to existing front-end tools
- Multi-billion record queries at the speed of thought
**BENEFITS OVER PROPRIETARY DATA ANALYSIS PLATFORMS:**

- **Open Data** – You should have control over your data. LUMIFY + SAP HANA® means that the work you do is stored in a non-proprietary open format available to you and all other applications. Don’t let your data be held hostage in a proprietary format.
- **Graph Visualization** – Analyze relationships, automatically discover paths between entities, and establish new links.
- **Live, Shared Workspaces** – Organize your work into separate workspaces you can share with colleagues. Updates are pushed to everyone viewing the workspace in real-time.
- **Fine-Grained Security** – Protect your data with separate access controls on entire entities, individual properties, and each relationship.
- **Map Integration** – View your data geographically with map overlays. Pluggable map providers allow you to integrate your preferred GIS solution.

**USE CASE**

**FUSSING OPS INTELLIGENCE**

Forces within the DoD leverage the SAP HANA® and LUMIFY platforms to fuse human and ISR data into actionable intelligence for situational awareness and force planning, dramatically improving our forces' decision advantage.

**VISUALIZE DATA AT MISSION SPEED**

Contact us to learn more about SAP HANA® + LUMIFY can enhance your mission capabilities.

Email: info@SAPNS2.com | Visit: www.SAPNS2.com

**ABOUT ALTAMIRA**

Altamira Technologies Corporation provides its national security customers the information advantage through full-spectrum engineering, analytic services, and open source software solutions. Altamira brings a commercial mindset to solving the most complex national security problems by delivering mission application development, multi-intelligence analysis, and data science technologies to defense, intelligence, and our homeland security communities.

**ABOUT SAP NS2**

At SAP NS2, we are driven to defend. We provide innovative computing, analytics, and cloud solutions that accelerate the pace of data fusion, analysis and action. Our solutions help leaders better manage the business of the mission from the back office to the battlefield, delivering a critical offset over the adversary. As an independent subsidiary of SAP, we’re backed by game changing technology, staffed by 100% U.S. citizens on U.S. soil, dedicated to meeting the unique mission requirements of U.S. national security organizations.