BAE SYSTEMS

INSPIRED WORK

LEXI
Lead Exploitation Intelligence

A scalable solution to mobile intelligence

Soldiers need — and demand — advanced, multi-INT data discovery, fusion, visualization, collaboration, and production capabilities to support any mission.
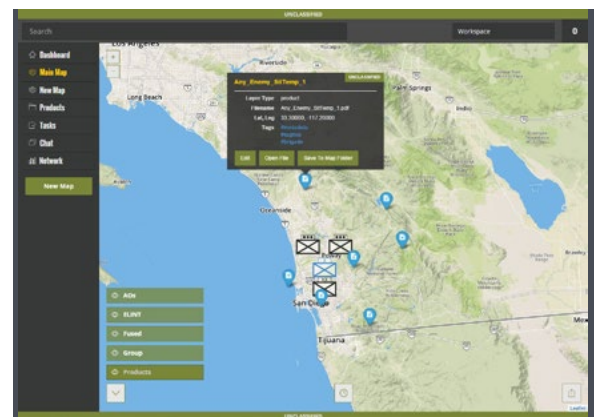
Today's military intelligence assets deliver an unprecedented and growing volume of data. Advanced capabilities are needed to effectively discover, understand, and act upon the knowledge hidden in the massive streams of collection and distributed data stores. LEXI – Lead Exploitation Intelligence – Software Suite offers open data architecture, proven fusion analytics, and an intuitive visualization framework that supports disconnected, intermittent, and limited communications. It provides a significant leap in the user's ability to access and evaluate data across the community using infrastructure resources that are available at each echelon.

Lead EXploitation Intelligence is a modern, easy to use application that shows the information analysts need. It leverages the BAE Systems back-end intelligence fusion process and displays results in LEXI's visualization layer. The fusion capability assesses and exploits incoming intelligence "leads" against a distributed data graph, keeping with military intelligence processes. This automated data correlation provides subsequent alerts to the end user through the LEXI interface. Lead EXploitation Intelligence provides near real time data discovery, data fusion, and automated intelligence reporting for tactical and strategic intelligence requirements. Additionally, LEXI features a workflow engine, the ability to create dynamic products, and the ability to share your products with multiple other users with a button click.

It's a trusted, powerful, singular source of information that the tactical intelligence community can rely upon. LEXI enables users to pull the data they need, and pushes results where they need to go. Users can download necessary data to tablets and other mobile ISR devices, perform their mission and collect more data, return to base and automatically synchronize information up and down the chain of command to those that need to know. At each echelon, a user can quickly glance at their networking view and understand where data is in the pipe, if new data is coming in, and when mobile nodes are connected and disconnected.

Key features

- Data centric QoS "Metadata first" capabilities tolerant of DIL-constrained environments, enabling intelligence reporting, alerting, and collaboration at the tactical edge

- Optimized delivery of critical data using prioritized data exchange based on available bandwidth and connectivity

- Modular design patterns and commercial technology promote plug and play services tailorable for tactical edge through fixed sites

- Interoperability that promotes data exchange across the Distributed Common Ground System community and with the intelligence community and joint forces

- Fully integrated fusion data analytics engine designed to seamlessly scale across echelons, optimizing the processing, storage, and bandwidth available at each echelon

- Improves commander's ability to see and understand the battlefield

An experienced partner

BAE Systems leverages proven command, control, computing, communication and ISR systems experience to help transition a wide variety of customers from proprietary components and applications to mature commercial, off-the-shelf hardware and software. BAE Systems is uniquely experienced to design, develop and tailor commercial and government off-the-shelf solutions enabling your forces to maintain information dominance in any battlespace.