

ISR SENSOR NETWORKING

Since 2007, L3Harris has fielded proven ISR Sensor Networking capabilities for U.S. and allied customers that provide fused, multi-intelligence (multi-INT) ISR data that is the backbone for our latest generation of networked sensing solutions.

ISR NETWORKING

L3Harris' innovations in ISR networking, such as in-theater data fusion, complex event correlation and data mining, increase the precision and mission relevance of reported information while conserving bandwidth. With daily changes in tactics and techniques, we are constantly evolving capabilities to meet or exceed the complexity of modern targeting, tracking and decision-making needs.

MULTI-INT/MULTIPLATFORM SENSOR NETWORKING AND DATA FUSION

L3Harris' multi-INT/multiplatform sensor networks greatly accelerate the find, fix, track and target portions of the kill chain, including rapid location of short up-time emitters and tracking of fleeting high-value targets within the target window of vulnerability. Our data modeling with scalable, distributed network configurations allows integration of new sensors and capabilities into a common network supporting near real-time tasking and machine-to-machine sensor cross-cueing. L3Harris' multi-INT data fusion capabilities, mission planning tools and open architecture messaging frameworks support network-centric operations by providing real-time processing, reporting and visualization capabilities tailorable to each user.

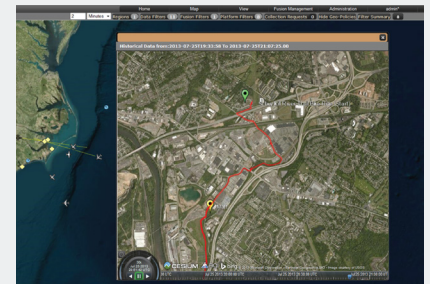
L3Harris' sensor networks enable multiplatform signals intelligence (SIGINT) target geo-location using SIGINT direction finding (DF) and synchronous time difference of arrival/frequency difference of arrival (TDOA/FDOA) collection between strategic and tactical systems, along with SIGINT fusion capabilities that process the DF and TDOA/FDOA data. In addition, our sensor networks process detections from multiple radar moving target indicator (MTI) platforms and perform target tracking and SIGINT-to-MTI fusion to provide combat identification for previously unknown tracks. Today, our sensor networks operate 24/7/365 across an accredited, global, web-enabled architecture supporting near real-time operations across multiple security environments.

MULTI-LEVEL SECURITY (MLS) SYSTEMS

L3Harris has fielded multi-security domain network architectures using commercial off-the-shelf (COTS) and government off-the-shelf (GOTS) cross domain solutions, allowing our customers to share data where appropriate in near real-time in addition to offering 24/7/365 network support.



L3Harris has vast experience in data networking, collection, correlation, fusion and visualization.



ISR NETWORKING SOLUTIONS

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- > Multi-Intelligence (Multi-INT)/Multiplatform Sensor Networking and Data Fusion
- > Multilevel Security Systems

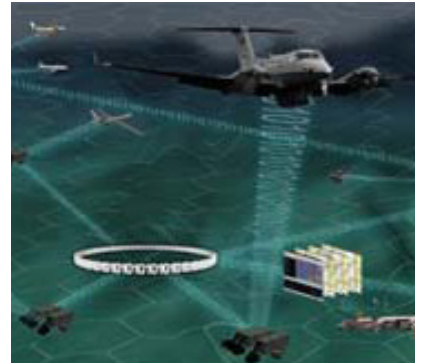
MULTI-INT BIG DATA ANALYTICS AND PROCESSING, EXPLOITATION AND DISSEMINATION (PED) SOLUTIONS

L3Harris is on the forefront of operational data science. L3Harris envisioned, designed and fielded a scalable big data analytics system architecture for multi-INT processing, exploitation and dissemination that processes large amounts of diverse data at multiple sites. Our analytics include:

- > Faceted Spatial-Temporal Search and Loitering Detection; Co-traveling Detection
- > Unusual Activity Analysis/Reduction, Geo-fence Tripwire Alerting
- > Geospatial Gazetteering - Spatiotemporal, Parametric (e.g. Frequency), Identity Attribute (e.g., Electronic Intelligence Notification or ELNOT) Statistical Correlation

L3Harris supports and enhances ISR and integrated electronic warfare (EW), kinetic and cyber systems planning, operations and assessment. Our focus is on information to commanders, operators and tactical consumers for planning, execution, real-time alerts or assessment.

- > Collaborative, Cross-Discipline/Domain, Multi-INT Architectures and Systems for Intelligence-Driven Operations
- > Enhanced Resource Planning, Use and Prioritization
- > Network Modeling, Analysis and Visualization



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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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