L3HARRIS™
FAST. FORWARD.

GEOSPATIAL SOLUTIONS FOR DEFENSE AND INTELLIGENCE

Turn geospatial imagery and data into timely, accurate, actionable intelligence

L3Harris has supported the defense and intelligence communities for decades with mission-proven technology and solutions. Our employees and tools are embedded across the ISR community at the national, operational and tactical levels providing cutting-edge support to critical missions for the Army, Air Force, Marine Corps and intelligence agencies. This close partnership has uniquely positioned L3Harris to continually deliver innovative solutions that meet the constantly evolving and expanding mission demands.
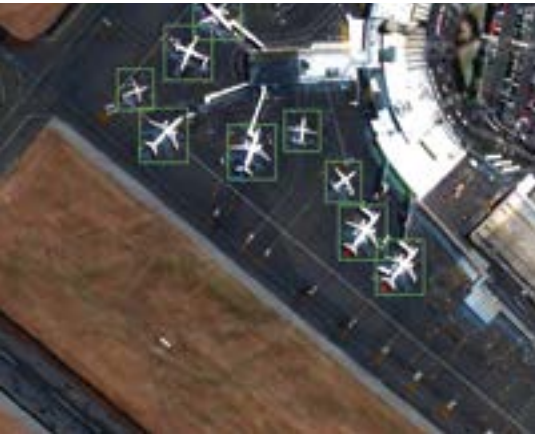

Not just for image scientists

L3Harris provides the defense and intelligence communities with geospatial analysis tools that are easy to learn and use, deliver expert-level results regardless of experience and lead to mission readiness and success.

> ENVI® workflows:

– Automate common image process tasks, such as pan sharpening, and popular analysis tasks ,such as change detection, anomaly detection and viewshed analysis

– Create workflows without writing code, share that code with other analysts and integrate it into Esri software

> The ENVI Deep Learning module:

– Uses intuitive tools and workflows that don't require programming

– Labels data and generates models with the click of a button

– Provides multi-modal, multi-platform data support

> ENVI SARscape® analytics:

– Include easy-to-use tools for some of the most common SAR processing applications

– Process and analyze SAR data and generate products like DEMs or surface deformation maps

– Can be accessed in the ENVI toolbox, ENVI Modeler and ArcGIS Pro

www.L3HarrisGeospatial.com

Analytics. Insights.
Answers you trust.

Whether it's gaining a strategic advantage or protecting resources and lives, decisions are only as sound as the information they're based on. Our custom and off-the-shelf solutions can be found on most analysts' systems because they are easy to learn and use, integrate with popular platforms such as ArcGIS and are scientifically proven for high-confidence decision making. Our defense and intelligence solutions include:

VISUALIZATION

Visualize complex data, whether it is hyperspectral, LiDAR, SAR or full motion video so that you can interpret it and make informed decisions. We support the data sources, data types, file formats and file sizes you use.

EXPLOITATION

With our solutions you can exploit virtually any type of geospatial imagery, video or data to gain tactical and strategic advantages. These solutions let you identify roads and vehicles, detect camouflage objects, locate specific materials of interest, categorize terrain, automatically create map products and much more.
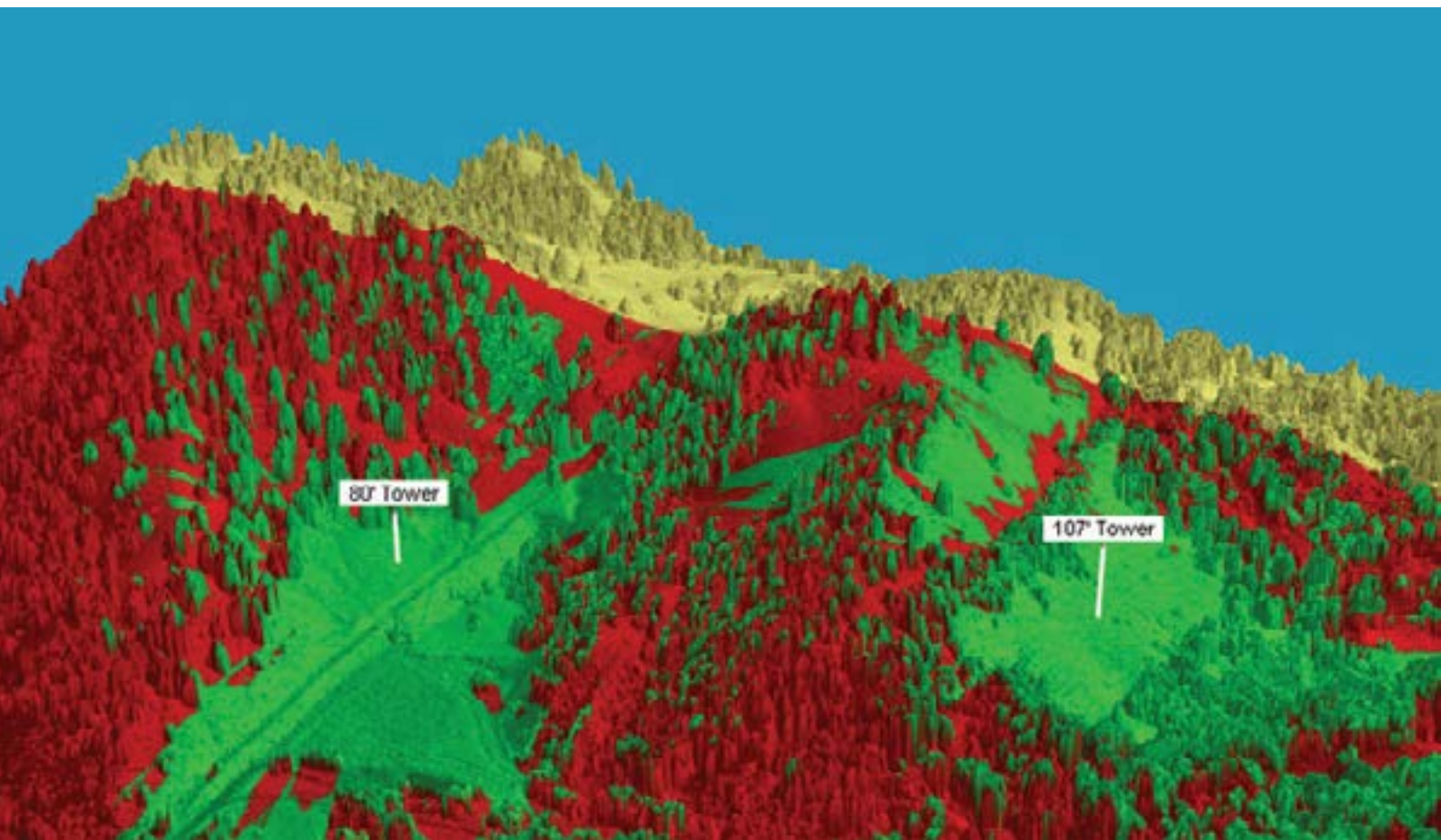
DATA MANAGEMENT AND DISCOVERY

Our federated geospatial data management solution ingests and catalogues a variety of data types including imagery, full motion video, LiDAR, SAR and even mission chats, and quickly makes it available when it's needed – regardless of location.

ON-DEMAND GEOINT

Our on-demand GEOINT solutions provide scientifically proven analytics, federated geospatial data management and powerful search and discovery capabilities based upon spatial and temporal values, chat and user-driven keywords and user-defined key imagery fields.

MISSION PLANNING

Use our operationally proven solutions to obtain tactical information about a geographic area before a mission begins to decrease risk and increase the probability of success. Our solutions enable you to quickly identify tactical objects, such as vehicles, lines of communication and structure, and provide critical information about terrain, so you can locate observation points, find suitable areas for a forward operating base and much more.

Full spectrum, end-to-end technology stack

Our software solutions are used across the defense and intelligence communities. With these products, L3Harris offers a single, full-spectrum solution rather than disconnected software pieces that don't speak to each other.

JAGWIRE

Jagwire enables anyone who needs data, regardless of location, to quickly find the multi-source data they need. By closing the gap from data collection to analysis, more time can be spent solving problems rather than searching through data. Jagwire is a web-enabled solution that delivers an integrated platform for the processing, storing, discovery and exploitation of geospatial data at scale. With advanced discovery and filtering capabilities, users in the field of an operations or data center can locate critical intelligence to rapidly respond and make confident and informed decisions.

ENVI

ENVI's patented and science-based algorithms are accurate and reliable for extracting meaningful information from all types of geospatial imagery and data such as hyperspectral, multispectral, thermal, LiDAR and SAR. ENVI works with any size dataset on the desktop or in the cloud, and has automated tools to quickly and easily prepare imagery from any modality for viewing and further analysis.

ENVI includes a comprehensive suite of data analysis tools and workflows to guide you through the processing steps to ensure accurate preparation, including calibration, pre-processing, atmospheric correction, pan sharpening, orthorectification and co-registration. From there, ENVI analytics can be used to detect changes and anomalies, measure and extract features, model topographic characteristics and much more. These tools have been battle tested and proven over and over in real-world scenarios.
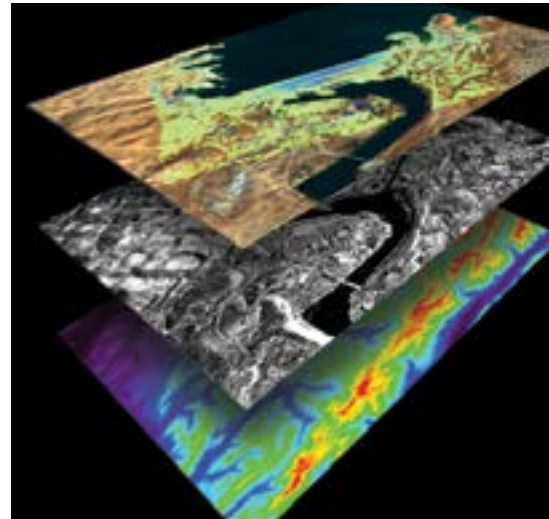
DEEP LEARNING

L3Harris has experience implementing solutions that use deep learning technology to address a wide range of GEOINT problems. Specifically, L3Harris' advanced deep learning technology can be used to train a neural network, which in turn can help identify and extract objects of interest or discover specific conditions across vast quantities of images.

SARSCAPE

ENVI SARscape allows you to easily process and analyze SAR data and generate products like DEMs or surface deformation maps, while giving you the option to integrate this information with other geospatial products. This unique data analysis capability takes your data from hard-to-interpret numbers, to meaningful, contextual information. Since ENVI SARscape is integrated with ENVI, you get the added benefit of image analysis tools and SAR processing functionality in one package. In addition to basic ENVI SARscape workflows, ENVI SARscape modules enable SAR programmers and scientists to customize processing to meet project requirements.

GSF

Geospatial Services Framework (GSF) is deployed in the enterprise and makes powerful analytics, and the information they provide, available across an organization. Better access to information results in better and more confident decision making. GSF is cloud and data agnostic, and easily scales up or down to meet demands. This means GSF easily installs within existing infrastructure and takes advantage of the data assets an organization has already invested in.

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