

GXP Fusion®



Aggregate disparate data, analysis, and intelligence
for decision advantage

Multitudes of sensors across many modalities, delivering increasingly high volumes and velocities of data, present a complex data challenge for today's geospatial analyst. GXP Fusion® software answers this challenge by enabling GEOINT analysts to aggregate, visualize, and analyze patterns that exist across many data sets, creating a comprehensive intelligence picture that enhances situational awareness and accelerates mission-critical decision making.

Real world impact

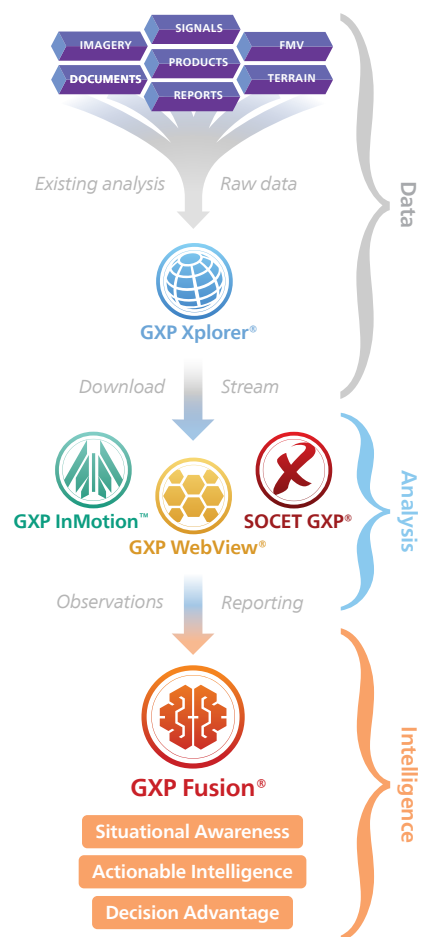
GXP Fusion supports real-time and forensic intelligence, enhances threat detection and assessment, and elevates mission-critical insights. Efficient pattern analysis delivers improved awareness and rapid response to emerging threats, as well as better decision-making and increasing operational effectiveness across any number of analytical and operational domains.

Accelerating pattern of life analysis with AI/ML

The rapid pace of AI/ML development is an opportunity for GEOINT analysts using GXP Fusion to further accelerate their workflows. GXP Fusion natively integrates with the latest AI/ML algorithms for enhanced pattern of life analysis including Natural Language Processing, automated object detect and classification, georegistration, and more. These and other 3rd party data and analytic sources combine in GXP Fusion to create a complete geospatial intelligence picture.

Value from your whole ecosystem

GXP Fusion features an open architecture, dynamic widgets, and a RESTful API, all enabling customizable workflows and rapid integration with external systems and data sources. Plugin support extends both integration and workflow personalization. Built on top of the GXP Xplorer Platform, this solution ties into all GXP analysis solutions, allowing analysts to pivot seamlessly between the optimal tools for any job.





Adversary activity monitoring

Multi-source intelligence data (e.g. imagery, signals, and open-source intel) in unified views of activity patterns, asset deployments, and defensive postures, automating alerts to identify critical developments.

Pattern of life analysis

Combine data and relationships to detect, track, and predict illicit activities across space and time. Discover hidden patterns, correlations, and insights to know sooner, intercept smarter, and respond faster.

Object-based custody

Tracking information about objects (vehicles, individuals, etc.) in a battlespace or operational environment over space and time, ensuring targets are accurately identified, monitored, and transferred between phases of operations.

Web-based widgets customized to your workflows

GXP Fusion offers a suite of web-based widgets that can be configured to match the unique workflows of GEOINT analysts.



Analysts can arrange these modular components into personalized workspaces and create custom widgets that align with specific mission requirements, enhancing extensibility and accelerating tasks.

Whether developing pattern-of-life analysis, change detection, or finished intelligence reports, these widgets enable tailored, optimized interfaces that enhance workflow speed and productivity. This framework also supports rapid customization and integration of new capabilities, allowing organizations to extend functionality as operational requirements evolve.

GXP Fusion core capabilities

- » **Multi-Source Data Fusion:** Integrate and analyze data from various sources for a comprehensive common intelligence picture.
- » **Customizable Dashboards:** Tailor interfaces to specific mission requirements using browser-based widgets, enhancing usability and focus.
- » **Advanced Visualization:** Utilize 2-D/3-D globes, timelines, activity counters, and network graphs to uncover hidden relationships.
- » **Activity-Based Alerts:** Set up automated watchboxes for notifications, tipping and queuing on specific events or changes in data.
- » **Workflow Automation:** Streamline repetitive tasks with a Rules engine, allowing analysts to focus on critical analysis.
- » **Enhanced analysis with AI/ML:** Identify and classify objects in images, parse documents for actors and activities, rapidly building observations (SOM), networks, and patterns of life.
- » **Third-party integrations:** Collaborate seamlessly using GXP's RESTful APIs, OGC®, and NATO AEDP-19 IR&CM compliant services, as well as utilize plugins to access third-party data sources like Janes and expand intelligence aggregation.

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