Geospatial eXploitation Products™

Powered by the GXP Platform™

GXP Xplorer® • GXP WebView® • GXP InMotion™ • GXP OpsView™

BAE SYSTEMS
INSPIRED WORK

GXP Xplorer®

GXP WebView®

GXP OpsView™

GXP InMotion™

Software solutions powered by the GXP Platform™

Providing the foundation for development of the most advanced geospatial intelligence, the GXP Platform delivers an unrivaled capacity for discovery, exploitation, and dissemination of mission-critical geospatial data.

From key military, safety, and security operations, to a wide variety of commercial development and research initiatives, GXP® provides a comprehensive suite of solutions enabling timely and effective decision-making.

Reduce costly data search efforts

Statistics show that analysts spend up to 50 percent of their time locating imagery and data across disparate systems, networks, and geographic locations.

GXP solutions streamline process workflows, increase productivity, and enable a more effective final product, saving both time and money for your organization!

50% of total project time is spent searching for data

Extensible and adaptable

The GXP Platform provides application developers and system integrators with a configurable solution that can be expanded upon and easily integrated into enterprise deliverables.

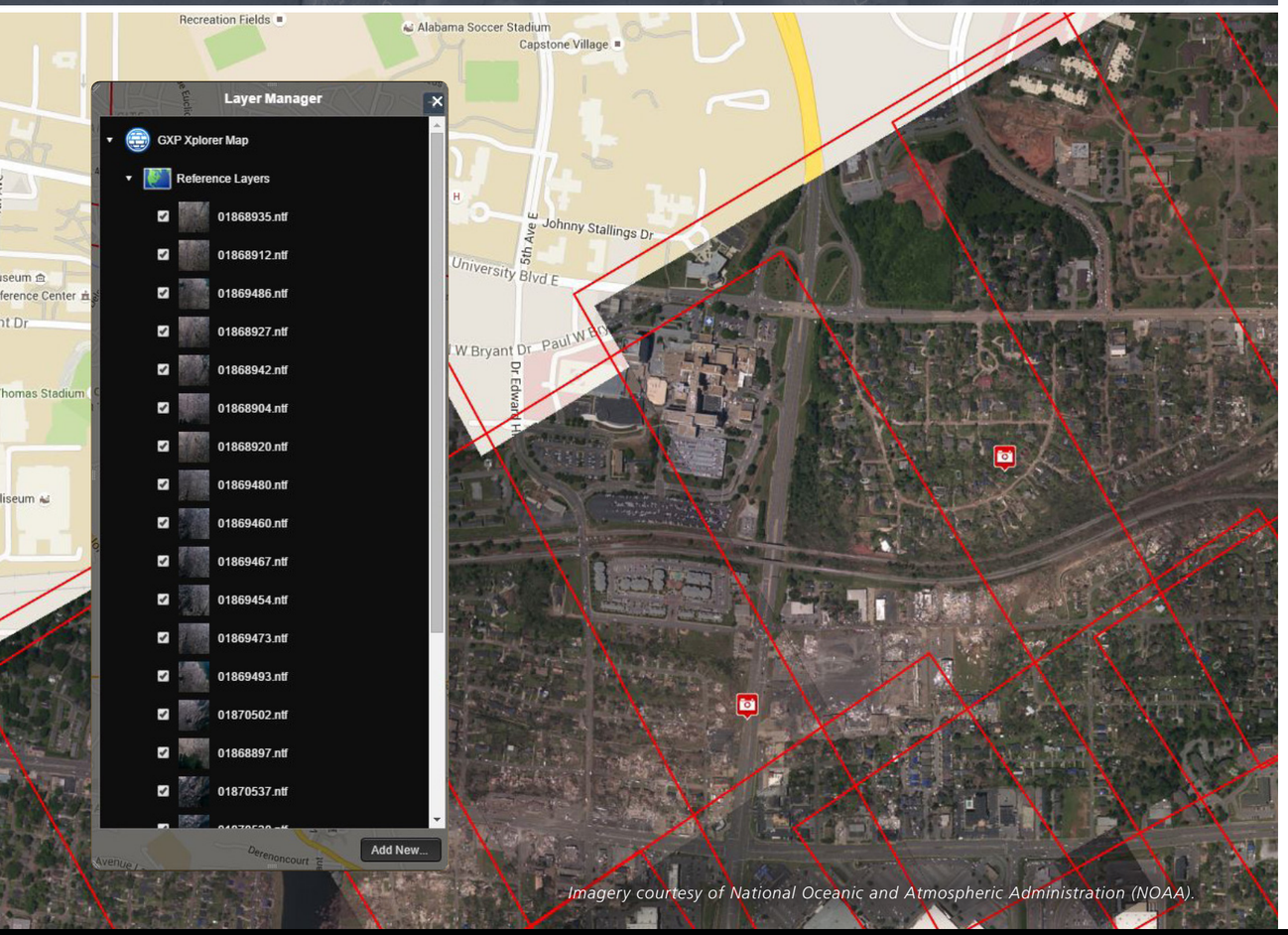
Meeting the needs of today's mobile, collaborative, cloud-based work force, the GXP Platform enables development of custom solutions for customers with unique workflows and requirements.

GXP Xplorer

Centralized data access

A revolutionary data management application that makes it easy to rapidly locate, retrieve, and share geospatial data files – paving the way for advanced geospatial exploitation.

- Catalog in place
- Federated data discovery
- Visualized search results
- Browser-based interface
- Mobile applications



Imagery courtesy of National Oceanic and Atmospheric Administration (NOAA).

Data management

Minimizing the time spent searching for critical data, GXP Xplorer provides a convenient way to manage and access all of your geospatial content including:

- Imagery
- Terrain and LiDAR
- Features
- Maps and charts
- Raster-derived products
- Vector-derived products
- Shapefiles
- Videos
- Documents, reports, and presentations
- Slides
- Spreadsheets
- Custom types
- Microsoft® Office products and GeoPDF®

Shared online catalog

Utilizing dynamic discovery techniques, GXP Xplorer crawls your enterprise network searching for relevant files in existing data systems, on shared network drives, and in an analyst's local shoebox. It identifies files without moving them, creates an online catalog for rapid retrieval, and even alerts users to new content.

Centralized exploitation

Enabling rapid access to critical data, GXP Xplorer ensures that you are maximizing the value of all of your geospatial resources. Relevant data and imagery can be visualized, downloaded, processed, or opened directly into other applications for additional analysis and exploitation.

Combined with GXP WebView and GXP InMotion, GXP Xplorer provides an effective platform for not only accessing mission-critical content, but for exploiting both still imagery and video feeds, and creating intelligent analysis and reporting to ensure optimum strategy moving forward.

GXP WebView

On-the-go data manipulation

An efficient Electronic Light Table (ELT) allowing you to view, measure, annotate, and disseminate geospatial products from imagery streamed directly into a Web browser.

- Rapid pixel streaming
- Efficient data analysis
- Photogrammetric-based rigor and accuracy
- Actionable geospatial reporting
- Seamless integration with GXP Xplorer

Imagery courtesy of NOAA.

Search, stream, and publish

Integrated with the GXP Xplorer search capability, GXP WebView provides the functionality to analyze and exploit imagery for detailed reporting and publication of finished GEOINT products.

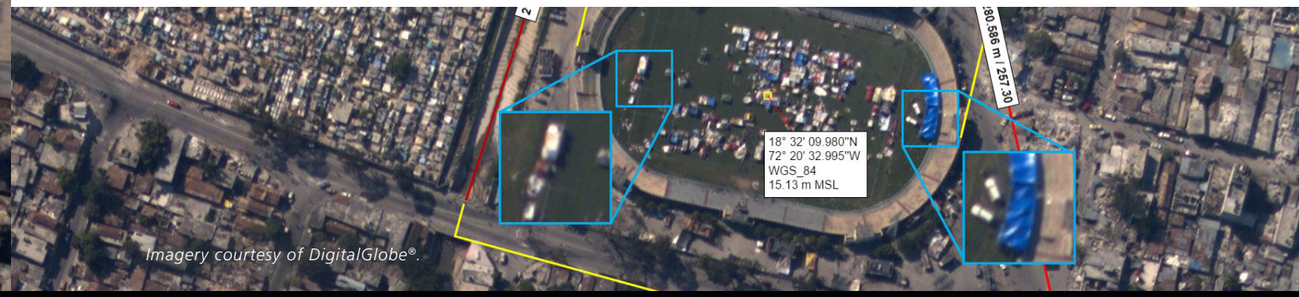
GXP Pixel Streaming powers the GXP WebView capability to load full resolution images from GXP Xplorer into a standard Web browser without plug-ins. Accuracy in imagery exploitation comes from server-based processing based on photogrammetric principles.

Accurate and effective analysis

GXP WebView provides a variety of imagery and Open Geospatial Consortium (OGC®) Web Map Service (WMS) exploitation capabilities including:

- Detailed annotation (text, points, lines, and polygons)
- Distance, direction, and coordinates including elevation
- Geographic, Universal Transverse Mercator (UTM) and Military Grid Reference System (MGRS) coordinates including circular errors and linear errors when available
- Manage geospatial layers including graphics, OGC Services, and images
- Publishing to PowerPoint®, PNG, and KMZ for Google Earth™ mapping service

Built for both the all-source and image analyst, GXP WebView supports simple, accurate data visualization and analysis, enabling the development of effective and actionable geospatial reports.



Imagery courtesy of DigitalGlobe®.

GXP InMotion

Geospatial video analysis

A streamlined user experience with a powerful set of tools designed for every level of the video analysts' needs – from simple viewing and screen capture to full video editing.

- Geospatially-based video processing
- Video capture and re-stream
- Segmentation and merge
- Seamless integration with GXP Xplorer

Imagery of MX-15 videos; Courtesy of L-3 Communications, EO/IR Inc.

Live video exploitation

As one of the core applications that comprise the GXP Platform, the GXP InMotion Video Suite lets you manage video exploitation in an enterprise environment, allowing organizations to efficiently scale based on the number of video missions and analysts required. GXP InMotion provides:

- Live video re-streaming
- Forensic video file streaming
- DVR capabilities
- Channel source setup and configuration
- Desktop-enabled collaboration

Rapid video delivery

With the GXP InMotion Video Server, video recorded from any airborne platform or other feed is streamed to the server with only a millisecond delay. These feeds can then be multicast to facilitate collaborative analysis, exploitation, and review among disparate mission workgroups.

Data courtesy of Leidos.

GXP OpsView

Ensuring safety and security through advanced operational planning and incident response.

Imagery courtesy of Esri World Imagery.

Imagery courtesy of EagleView Technologies & Pictometry Intelligent Images.

Whether for security operations, crisis response, or advance planning for an emergency situation, GXP OpsView™ provides situational awareness through strategic planning tools, simplified communications, and a Common Operating Picture (COP).

Enabling mission command to effectively coordinate field operators in real-time throughout an operation, event, or crisis situation, GXP OpsView provides:

- Visual representation of an operation or emergency action plan via Collaborative Response Graphics (CRG)
- Real-time blue force tracking layered on top of the CRG
- Field data uploads including photo files
- Enhanced coordination and collaboration tools
- Rapid tasking and deployment of field personnel

From an efficient dashboard view enabling strategic management of multiple operations, to a focused incident view supporting asset deployment and real-time communications, GXP OpsView brings an unrivaled degree of command and control to operational planning and tactical response.

GXP OpsView provides critical planning and response support for:

- Active assailants, terrorist attacks, and hostage situations
- Emergency management and disaster relief
- Wildland firefighting and prevention
- Search and rescue operations
- Drug Interdiction and high-risk warrants
- Private security for corporate offices, industrial facilities, and events

About BAE Systems

BAE Systems is a global defense and security company with approximately 100,000 employees worldwide. The Company delivers a full range of products and services for air, land, and naval forces, as well as advanced electronics, security, information technology solutions, and support services.

BAE Systems is a global provider of software for image analysis, geospatial production, mapping, 3-D visualization, video analysis, and photogrammetry. For more than 40 years, BAE Systems been a trusted supplier of imagery, geospatial products, and services to the defense and intelligence communities, and commercial markets. BAE Systems has experience and depth in managing, implementing, and developing products with a wide variety of other industry-standard applications that support geospatial and related tradecrafts, and experience developing GIS tools. This experience requires knowledge of the scientific underpinning of the technologies, methods, and techniques in use to solve geospatial production challenges.

Geospatial eXploitation Products™ (GXP)

GXP develops powerful software tools used to deliver highly accurate geospatial and intelligence data. Based in San Diego, CA, GXP provides direct worldwide sales and support. In some areas, this is done in conjunction with a select team of distributors to facilitate greater coverage and to provide effective customer service. GXP offers its customers top-quality technical support and training to optimize their return on investment.

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