

# Release Enhancements

GXP Xplorer® • GXP WebView® • GXP InMotion™



v2.3.6

**BAE SYSTEMS**



An **unrivaled capacity** for discovery, exploitation, and dissemination of mission-critical geospatial and temporal data

The v2.3.6 release of our GXP Xplorer®, GXP WebView®, and GXP InMotion™ solutions delivers exciting new geospatial capabilities, including advanced integration options with third-party solutions and a variety of foundational enhancements across the newly named GXP Xplorer Platform. Specific product enhancements include the following:

- » Streamlined integration between GXP Xplorer and Portal for ArcGIS® by Esri®, infrastructure data from Industrial Info Resources, Inc. (IIR), and social media content from DataCapable, Inc.
- » Support for queuing real-time Full Motion Video (FMV) track extraction to a Tracking Analytics Software Suite (TASS) server via GXP InMotion
- » Advanced track management and query capabilities within GXP WebView
- » Automated Orthophoto Generation via the GXP Xplorer Platform

Based on customer requests, these enhancements ensure an optimal user experience while increasing synergies within the expanding GXP® product ecosystem.

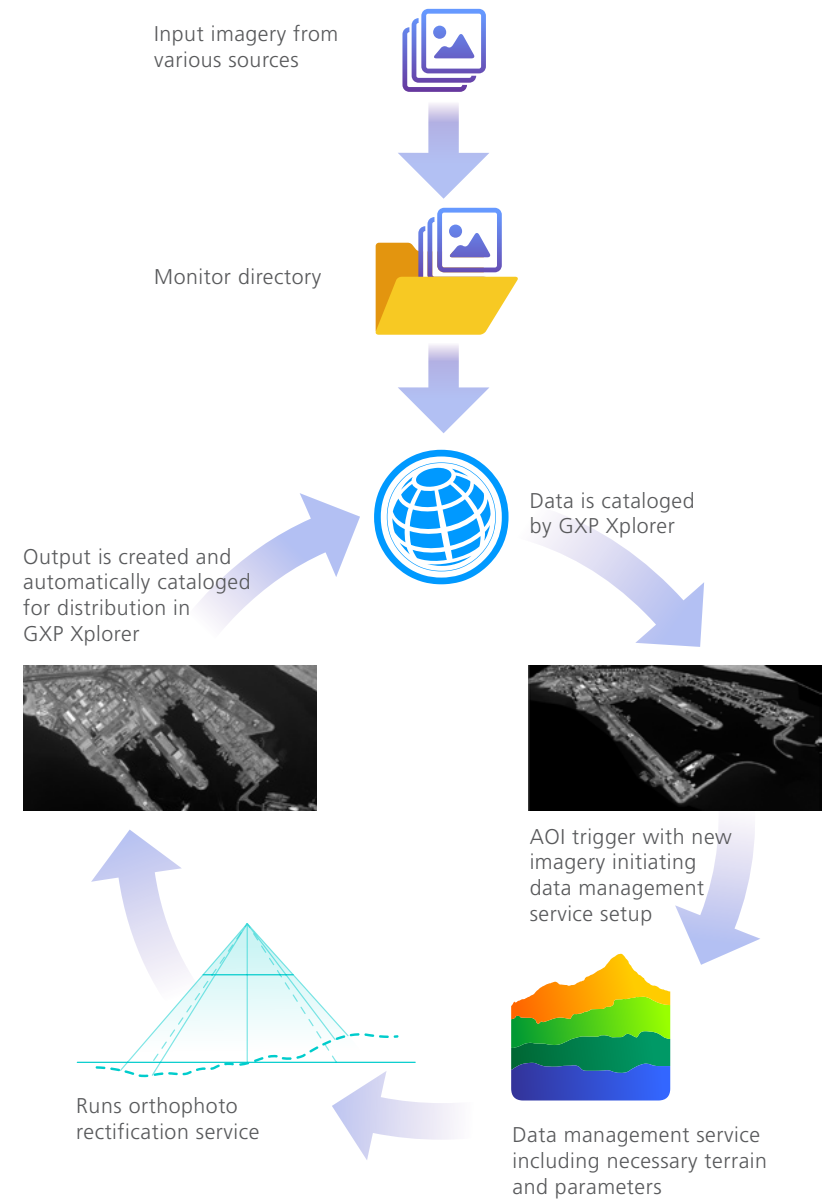
# GXP Xplorer Platform v2.3.6

Enhancements across the GXP Xplorer Platform include improvements in authentication and user interface (UI), as well as a variety of additional system upgrades.

## Key enhancements:

- » Option to not create subfolders when downloading zip-and-ship files
- » Improvements in authentication: Added group attribute information for Lightweight Directory Access Protocol (LDAP) with Public Key Infrastructure (PKI) to allow for Discretionary Access Control (DAC) settings
- » Improvements for UI error checking to prevent system issues
- » SOCET GXP CoreSDK v4.4.0
- » Mensuration Services Program (MSP) 1.6
- » Common Geopositioning Services (CGS) 2.3.7.1
- » DCGS Integration Backbone (DIB) 4.5.5
- » PostGRES 11.2 update
- » Openlayers 5.3.0
- » Cesium® 1.55
- » Continued updates from the Application Program Interface (API) documentation including Data Model Service updates

## Orthophoto Generation



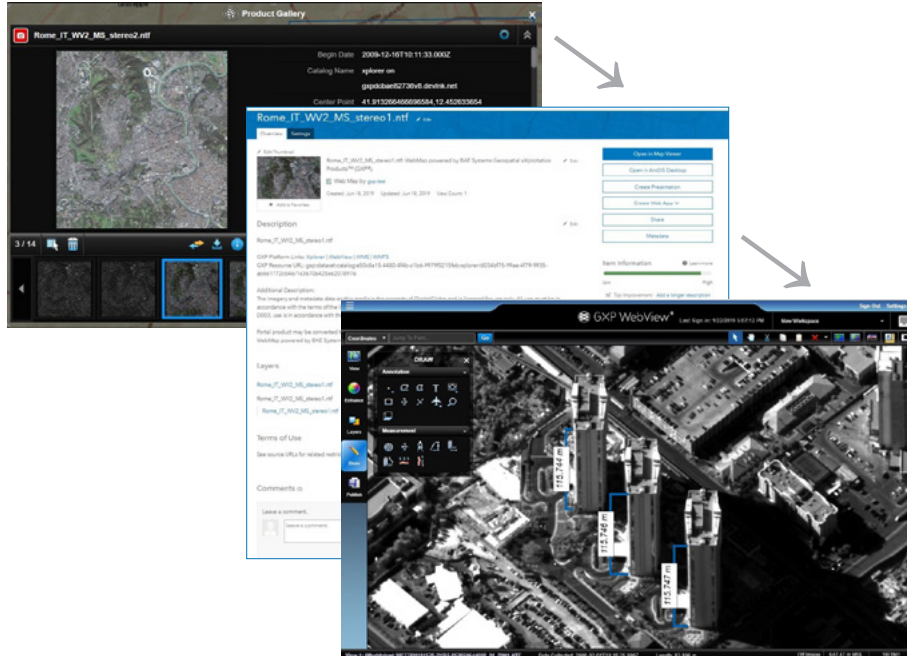
Imagery courtesy of Planet Labs.

# GXP Xplorer v2.3.6

Enhancements to GXP Xplorer include streamlined integration with Esri's Portal for ArcGIS and several data providers.

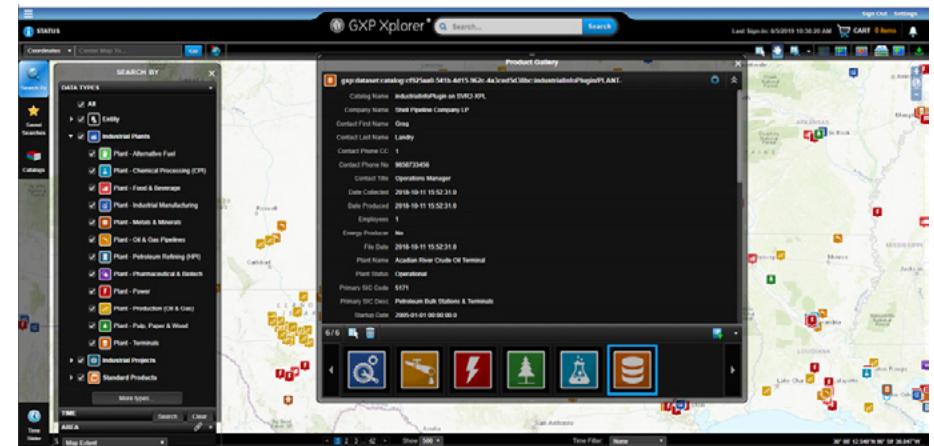
## Key enhancements:

- » Share ingested, cataloged information from GXP Xplorer with Esri's Portal for ArcGIS
  - Query GXP Xplorer catalog based on standard queries including data types, time, Area of Interest (AOI), etc.
  - Metadata and location of the results are provided to Portal for ArcGIS
  - Raster data is provided to the Portal for ArcGIS as an Open Geospatial Consortium (OGC®) Web Map Service/Web Map Tile Service (WMS/WMTS) link as well as a link back to GXP WebView for analysis, exploitation, and product generation of the raw pixel data
  - Exploit the primary or sub-images directly in GXP WebView or SOCET GXP®
  - Generate products for collaboration with others using GXP Xplorer and Portal for ArcGIS



Data discovered in GXP Xplorer, published to Esri's Portal for ArcGIS, and then exploited in GXP WebView.

- » Access facility and infrastructure data from Industrial Info Resources, Inc. (IIR)
  - Integration with GXP Xplorer includes a catalog plug-in and updated data model to display IIR data on the GXP Xplorer map
  - Extensive metadata provided by IIR is easily queried, displayed, and utilized in the GXP Xplorer Platform for a wide range of analyses



IIR cataloged data / metadata visualized on the GXP Xplorer map page through an enhanced data model.



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## Key enhancements (continued):

- » Access to social media content from DataCapable, Inc.
    - Integration with GXP Xplorer includes a catalog plug-in and updated data model to display event data on the GXP Xplorer map
    - Extensive metadata provided with the social media is easily queried, displayed, and utilized in the GXP Xplorer Platform for a wide range of analyses
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Publication of natural disaster posts from DataCapable, Inc. with metadata visualized on the GXP Xplorer map page through an enhanced data model.

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## GXP WebView MOVINT v2.3.6

New Movement Intelligence (MOVINT) features for GXP WebView include a variety of track management and query capabilities.

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### Key enhancements:

- » Forensic playback of tracks
  - Map extent will re-center over selected track as it moves
  - Size of trail and speed of playback is adjustable
- » Query the database for missions and tracks as TASS is still processing track data
- » Auto track generation from FMV streams captured through GXP InMotion Server
- » MOVINT Area of Interest queries added to Save Workspace
- » Query Nearby allows quick track queries using the right-mouse menu

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## GXP InMotion v2.3.6

The GXP InMotion Server now supports queuing real-time FMV track extraction to a TASS server.

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### Key enhancements:

- » New option implemented on the GXP InMotion Capture UI to pass the User Datagram Protocol (UDP) of a capture session to a TASS server
  - » TASS server will receive the feed directly from the UDP source and extract tracks from movers within the FMV capture
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**Add/Edit Capture**

**Input Settings**

\* Network Address:

Vehicle:

Base Location:

Current Location:

Source Provider:

**Output Settings**

\* Channel Name:

\* Description:

☒ Live Track Generation

☐ Live Track Output

Output Address:

Save Cancel

*Transsizing function in the Add/Edit Restream menu.*

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# GXP® Geospatial solutions to ensure a safer world.

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