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

Input imagery from various sources

Monitor directory

Data is cataloged by GXP Xplorer

Output is created and automatically cataloged for distribution in GXP Xplorer

AOI trigger with new imagery initiating data management service setup

Runs orthophoto rectification service

Data management service including necessary terrain and parameters

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

» 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

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

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

GXP WebView MOVINT v2.3.6

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

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

Publication of natural disaster posts from DataCapable, Inc. with metadata visualized on the GXP Xplorer map page through an enhanced data model.
GXP InMotion v2.3.6

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

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

Transsizing function in the Add/Edit Restream menu.
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Licensing

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