

Be a part of our journey

Geospatial eXploitation Products™

GXP® Geospatial solutions
to ensure a safer world.

BAE SYSTEMS

About BAE Systems Inc.

Welcome to BAE Systems Inc., a global defense, aerospace, and security company with more than 85,000 employees and almost \$12B in revenue worldwide. We deliver a full range of products and services for air, land, and naval forces, as well as advanced electronics, security, information technology solutions, and customer support services.

Geospatial eXploitation Products™ (GXP®)

Supporting development of advanced geospatial intelligence, BAE Systems GXP software enables rapid discovery, analysis, and sharing of mission-critical geospatial data. From key military, security, and incident response operations, to a variety of commercial development and research initiatives, GXP provides a comprehensive suite of solutions to inform effective decision-making and ensure a safer world.

GXP offices



Geospatial Intelligence (GEOINT) is intelligence about the human activity on earth derived from the exploitation and analysis of imagery and geospatial information that describes, assesses, and visually depicts physical features and geographically referenced activities.

At BAE Systems GXP, you'll collaborate with industry-leading business development personnel and software engineers, as well as cutting edge technology, to make a real impact on the world around you.



GXP software solutions in the field

In 2011, a 9.0 magnitude earthquake occurred 231 miles northeast of Tokyo, causing a tsunami with 30' waves that devastated the nation of Japan, including severe damage to several nuclear reactors and oil refineries. Through multispectral analysis, SOCET GXP® was used to identify and monitor the increasing footprint of resulting oil leakage into the Pacific Ocean. The extent and location of the oil and additional debris was monitored over time to assist in local relief efforts, determine environmental impact, and expose potential navigational hazards - protecting life both above and below the surface of the water.

Multispectral, 8-band, WorldView-2 images. © 2021 Maxar Technologies.

GXP software ecosystem

As a member of our team, you will be developing some of the most advanced geospatial intelligence software solutions in the world! From rapid data search and discovery, to advanced image exploitation and video analytics, the capabilities delivered through the GXP software ecosystem enable key decisions and mission success.



SOCET GXP

Advanced geospatial exploitation and customized product creation combined into one comprehensive solution



GXP Xplorer®

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



GXP InMotion™

A streamlined user experience designed for every level of video analysts' needs - from simple viewing and editing to advanced tracking analytics and interpretation of motion imagery



GXP WebView®

Lightweight web browser-based Electronic Light Table (ELT) that enables rapid visualization and analysis of geospatial data, and the development of actionable intelligence



GXP Fusion™

Integrating information from disparate data sources to answer complex intelligent questions while developing a multi-INT Common Intelligence Picture

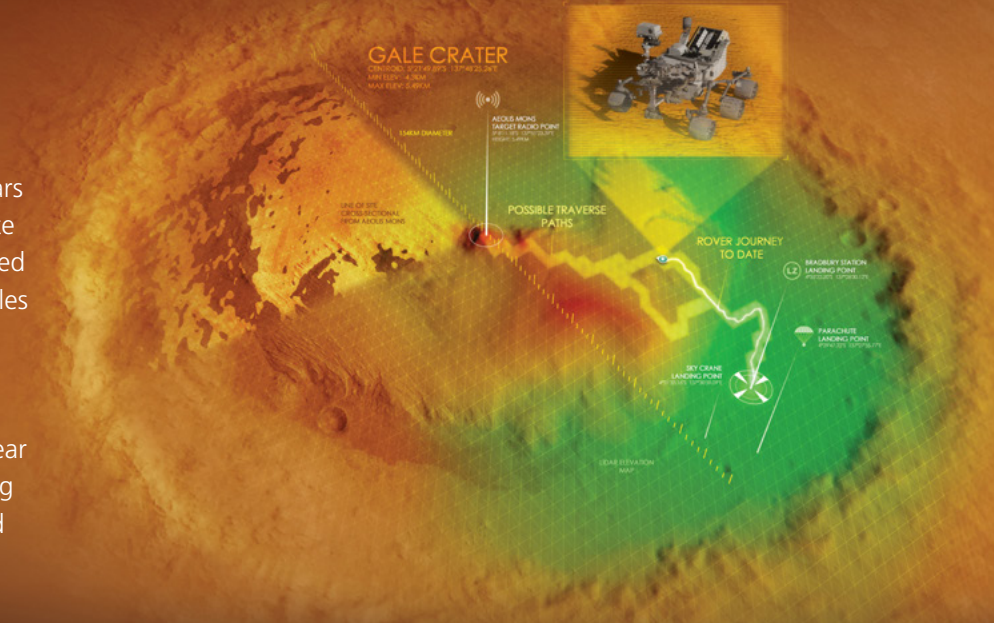


GXP OpsView®

Ensuring safety and security through a Common Operating Picture (COP) for operational planning and incident response

GXP software solutions in the field

Supporting geological research on Mars, GXP sensor models and software solutions enabled terrain analysis and efficient routing of the Mars Curiosity rover. Through exploitation of satellite imagery, SOCET GXP capabilities were leveraged to calculate ground slopes and identify obstacles in order to determine optimal rover landing sites and navigation to areas of interest. Additionally, line-of-sight calculations helped determine unobstructed vantage points for clear communication of data back to Earth, ensuring a wide spectrum of scientific discovery beyond our native world.



As a GXP team member, you will continue to evolve a wide variety of industry leading geospatial exploitation capabilities, including:



Automatic feature extraction



Image orthorectification



Terrain analysis and editing



Automated terrain extraction



3-D modeling



Annotation and feature creation



Synthetic Aperture Radar (SAR) processing



Multispectral and hyperspectral analysis



Tracking analytics



LiDAR visualization and exploitation



Video exploitation



Precision targeting

GXP software solutions support image, video, and all-source analysts at defense and intelligence agencies, as well as commercial organizations, around the world including:



Defense forces, intelligence agencies, and homeland security



Private security and first responder personnel



Photogrammetry, mapping, and surveying agencies



Universities and research organizations



State, local, and regional governments



Transportation departments



Natural resource management consultants



Systems Integrators

GXP software solutions in the field

With an immense amount of traffic moving through our cities, the continual identification and tracking of “movers of interest” poses a significant challenge. Supporting a variety of missions including counter-terrorism and drug enforcement, GXP Movement Intelligence (MOVINT) solutions are used to automatically monitor and index the movement of all vehicles in a region. Eliminating the need for time-consuming manual observation of motion imagery, GXP solutions enable rapid discovery of anomalies, trends, and emerging threats often concealed in normal patterns of life.



The work we do matters

We seek intelligent, dedicated, and passionate people who enjoy solving complex problems through innovative software solutions that provide our customers with an essential mission advantage. Successful team members will contribute to, and gain additional proficiency in, a variety of skill sets across desktop, server, and web software development; including cloud computing, advanced data analytics, machine learning and data science, and interactive data visualizations.

Featuring a distinct culture within the larger BAE Systems organization, the GXP group emphasizes rapid innovation, functional collaboration, and continual learning. Our strong work ethic and dedicated project focus is balanced with a wide variety of team-building activities and social engagements from escape room and baseball game outings, to our annual Corporate Olympics. As a member of the GXP team, your voice will be heard and highly valued, and your efforts will be critical to the continued success of our products in the market.

At GXP, the work you do is important—to us and the world. We offer:

- » **Flexible Schedules**
Flexible start times and a 9/80 work schedule
- » **Education/Development**
Tuition reimbursement, leadership programs, and mobility within the company
- » **Leave Options**
A variety of leave options for individual flexibility, including personal time, military leave, and paid parental leave
- » **Retirement Savings**
401(k) plans with a generous company match, a wide range of investment options, and professional investing advice
- » **Health Benefits**
Numerous medical, dental, and life insurance plan options are available

We are committed to hiring and retaining a diverse workforce. We are proud to be an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, marital status, national origin, age, veteran status, disability, or any other protected class.

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