# Safran.AI detectors for the GXP® Ecosystem

AI-powered geospatial object detections delivering timely and accurate intelligence for enhanced situational awareness and mission planning.

**AI DETECTIONS**
- SUBMARINES
- ROADS
- BUILDINGS

Addressing a tsunami of data from all intelligence disciplines, Safran.AI's proven AI/ML solutions enable automated discovery, classification, and monitoring of a wide variety of military assets and elements of critical infrastructure. Integrated into the GXP® software ecosystem, proprietary algorithms detect military objects of interest in a matter of minutes to reduce cognitive load and allow analysts to focus on the mission-critical tasks at hand.

## Monitor objects of interest

AI algorithms integrated with GXP software enable large area processing, Automatic Target Recognition (ATR), and classification of objects of interest for Structured Observation Management (SOM) in SOCET GXP®. Configurable, scalable, and modular, this solution meets the requirements of the most demanding intelligence organizations.

## Infrastructure detection for automated mapping

Detect and vectorize cartographic features by integrating best-in-class technology from Safran.AI (the Road Detector, the Building Detector, and the Barrier detector) to enable rapid mapping of urban, desertic, and sparse-dense areas of operation.

## Empower intelligence with multi-INT data fusion

Fusing Safran.AI detections with imagery, facility databases, terrain, features, documents and other disparate sources into a cohesive view through GXP Fusion® software enables enhanced intelligence and situational awareness. Hidden relationships and patterns of life can be discovered with multi-INT data fusion of all spatio-temporal information in a customizable widget-based dashboard.
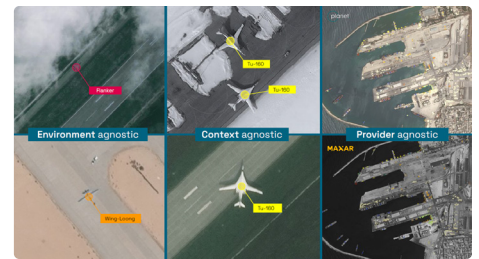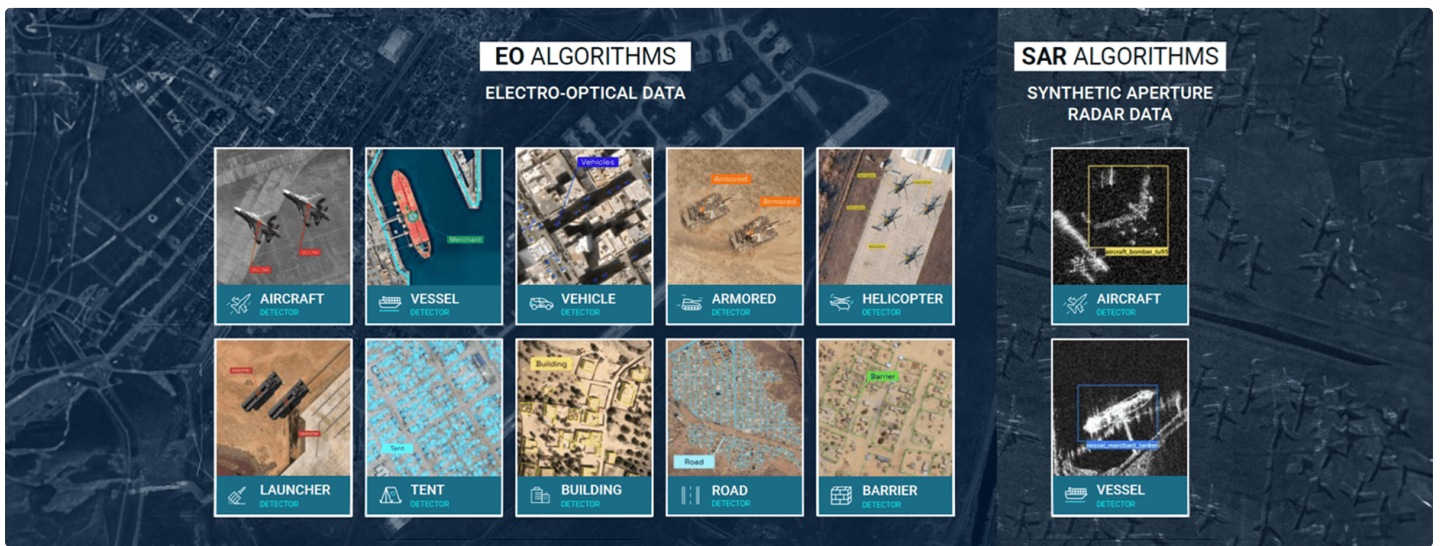
Safran.AI's proprietary AI/ML algorithms are environment, context, and provider-agnostic for dynamic mission needs.
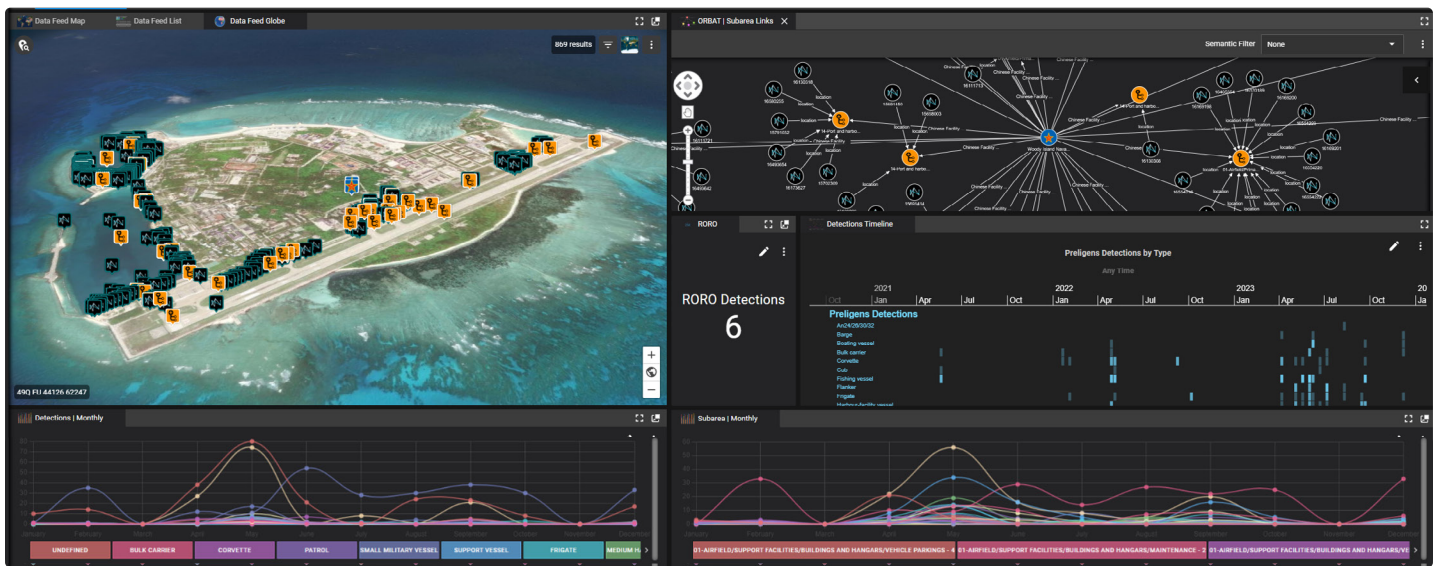
Pre-trained detectors are capable of identifying the precise models of various observables (TU-160, SU-27, etc.)
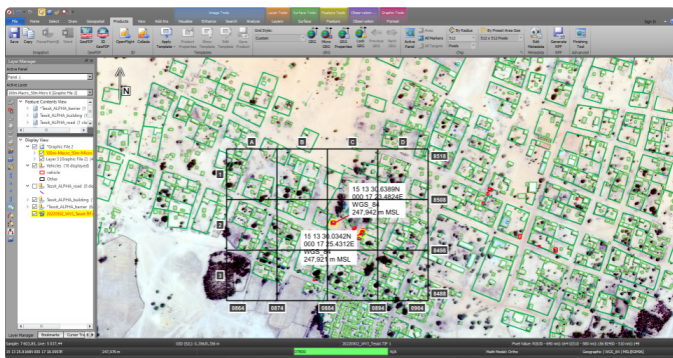
GXP® Geospatial solutions to ensure a safer world.

SAFRAN

BAE SYSTEMS

*Safran.AI proprietary AI/ML algorithms on EO/SAR satellite images.*



*Safran.AI detections are ingested into the GXP Xplorer® Platform for further exploitation and multi-INT data fusion.*



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*Accelerate mission planning with automatic vectorization and feature extraction (width, length, area) of roads, buildings, and barriers, and then exploit results in the GXP Ecosystem.*
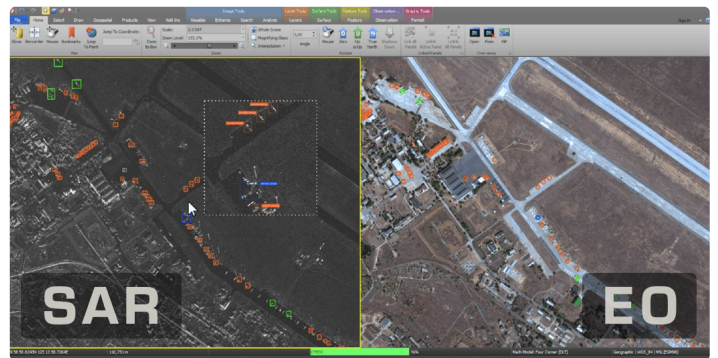


Imagery courtesy of Capella          © 2024 Maxar Technologies

*Detections display as standard data in SOCET GXP for exploitation and product creation.*

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