



Preciso[®] ISR

Intelligence Superiority. Automated. Interoperable. Real-time.
Integrated AI-powered ISR exploitation suite by Planetek Italia.

In today's complex operational landscape, Intelligence, Surveillance, and Reconnaissance (ISR) capabilities are essential for defence, security, and emergency response. Modern ISR relies on advanced sensors such as satellites and UAVs, combined with AI and machine learning to fuse data, detect threats, and provide real-time situational awareness. These capabilities enable faster, more precise decisions, strengthen security operations, and support critical missions.

With more than 30 years of expertise in Earth Observation, Planetek Italia has developed **Preciso ISR**, an integrated AI-powered exploitation suite designed to enhance operational effectiveness across defence, homeland security, and civil protection missions.

**REAL-TIME EXPLOITATION
OF MULTI-DRONE VIDEO FEEDS**

Applications

- **Defence & Armed Forces** – operational situational awareness and precision targeting.
- **Border Security** – surveillance of land and maritime boundaries.
- **Emergency Response** – disaster recovery, damage assessment, and rescue coordination.
- **Critical Infrastructure Protection** – monitoring pipelines, power lines, and large-scale events.



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✓ **Real-time exploitation of multi-drone video feeds**
Receive and manage **simultaneous live and recorded FMV streams** from multiple UAV platforms. Compatible with diverse sensor payloads and drone systems.

🧠 **AI-driven object detection, tracking, and alerting**
Planetek's deep learning models automatically **detect, classify, and track targets** of interest (e.g., MBTs, IFVs, MLRS). AI modules trained on **nationally relevant targets**, and continuously improvable with user-labeled data.

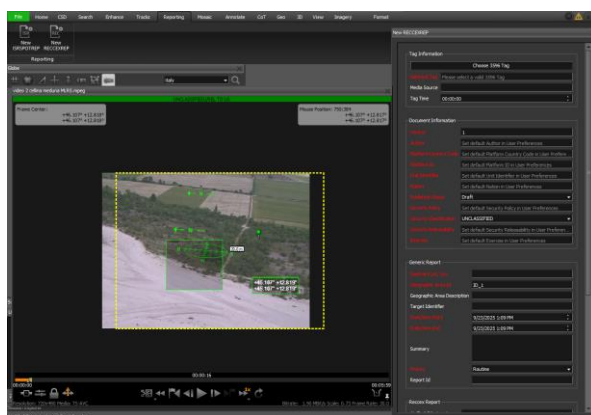
⚠️ **Smart Analyst Support with Cross-stream AI Alerts**
While the analyst monitors one feed, AI continuously scans **other video streams**, possibly from different sensors (e.g., EO vs. multispectral). If a threat is detected the system **automatically raises an alert**, prompting the analyst to instantly visualize **multiple synchronized video sources** for rapid threat verification.

📄 **Automated Reporting with NATO STANAG compliance**
Custom templates for **ISRSPOTREP and RECCEXP** reports, **pre-filled by AI** using detection metadata and operator annotations. Supports **STANAG 3596/4545/4609** for still imagery, metadata, and full-motion video interoperability.

🌐 **Full interoperability with NATO-standard ISR architectures**
Seamlessly integrates with **existing or planned CSD/I-CSD backends**, including MAJIC-compliant frameworks. **STANAG 4559 compliant**. Facilitates **multi-national data sharing and discovery**.

🌱 **Modular, scalable, and future-ready**
Built upon a modular architecture. Ready for integration with **future ISR command-and-control systems**. Can be deployed in **edge, cloud, or on-prem environments**.

IT **National sovereignty and long-term autonomy**
Planetek provides support for **independent model training**, enabling Defence organisations to **retain full control** over sensitive datasets and operational AI tools.



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