

SPACE INTELLIGENCE FOR BATTLEFIELD COMMANDERS

*ACHIEVING MISSION SUCCESS BY
DENYING ENEMY INTELLIGENCE TO THE
STRATEGIC HIGH GROUND OF SPACE*



MAINTAINING THE ELEMENT OF SURPRISE IS A KEY FACTOR ON THE MODERN BATTLEFIELD. KNOWLEDGE OF WHEN, WHERE AND FOR HOW LONG ENEMY EARTH OBSERVING SATELLITES ARE OVERHEAD WILL GIVE ALLIED FORCES A DISTINCT MILITARY ADVANTAGE.

Today Electro Optic Systems (EOS) is using Australian-developed technology to produce highly accurate real-time intelligence products which leverage both EOS' own catalogue of over 20,000 objects in space with other commercial sources to determine key attributes such as ownership, asset capabilities and orbital characteristics.

This information is monitored daily using EOS' Australian network of ground-based sensors, which track thousands of objects a day, for any potential manoeuvre. Battlefield commanders can use this live information to conduct safe mission planning, ensuring operations are protected from enemy surveillance, enabling the highest probability for mission success.

Space Domain Awareness

EOS has been a proud partner of the Australian Department of Defence in Space Domain Awareness (SDA) for more than 15 years. Through a proven network of passive and active optical SDA sensors, EOS can cover all orbit regimes from LEO to GEO with unrivalled accuracy. Having highly accurate SDA data enables better intelligence on knowing when, where and who is watching at any point in time.

ACCURATE

EOS sensors provide unrivalled positioning accuracy of small, dim and far objects for SDA and space control during the day and night.

PROVEN

EOS' SDA services are proven in global space operations for military and civilian applications. With high fidelity tracking, actions in space are captured in detail.

MISSION READY

EOS' network of taskable sensors are interoperable with other networks and operationally tested and ready for data delivery.

SDA SERVICES

Live threat warning for commanders before and during the mission, supporting route planning and updated notifications based on live orbital manoeuvres

Regular space intelligence summaries

Independent and Australian space catalogue

Object characterisation and identification services

Data analytics, machine learning and artificial intelligence

Simulation tools for mission planning and capability assessments

DATA SERVICES

Accurate tracking from LEO to Cis-Lunar

Taskable network of sensors for direct tasking based on mission needs

24 hour coverage

Region search, object detection and tracking

Satellite laser ranging

High-rate image capture