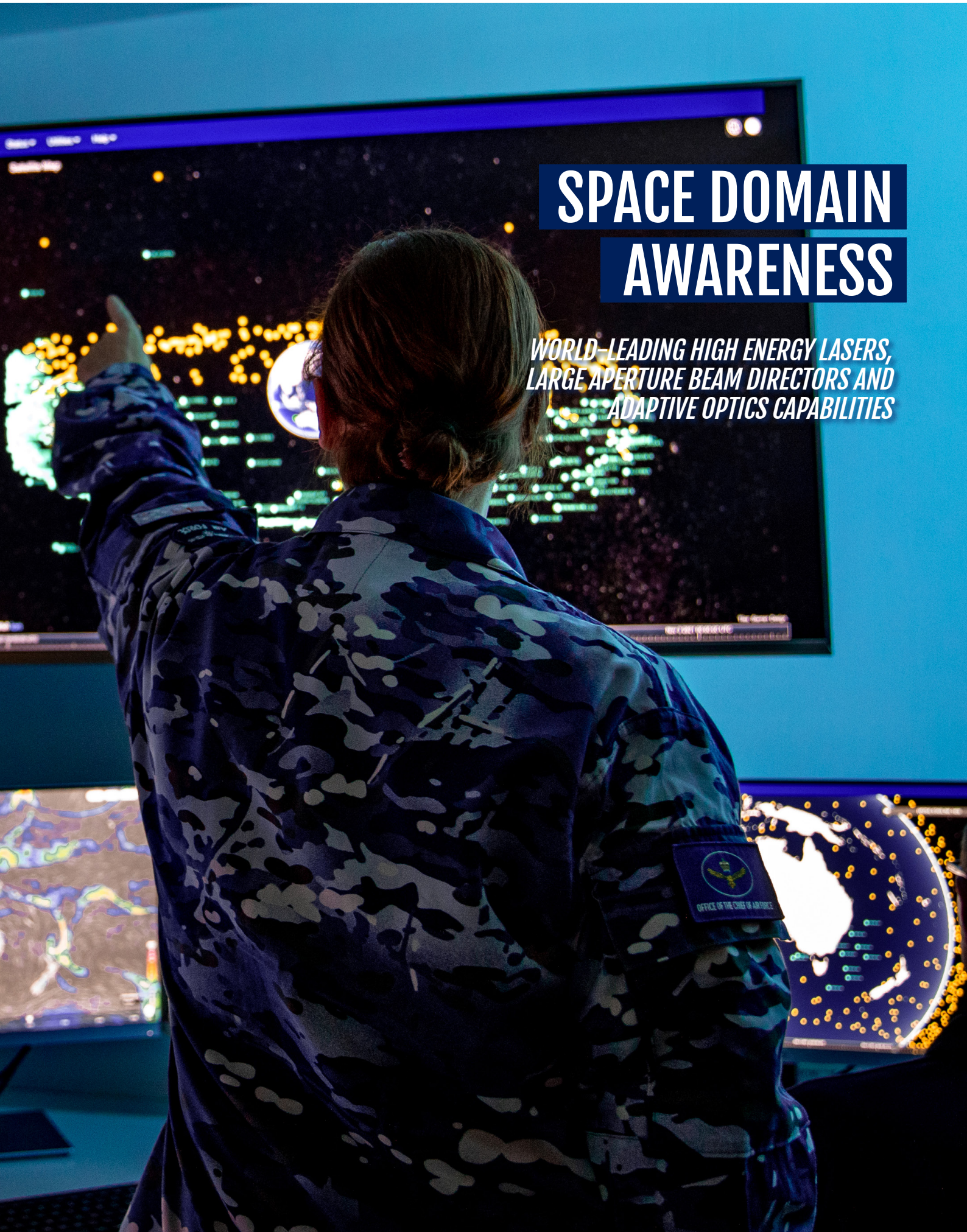
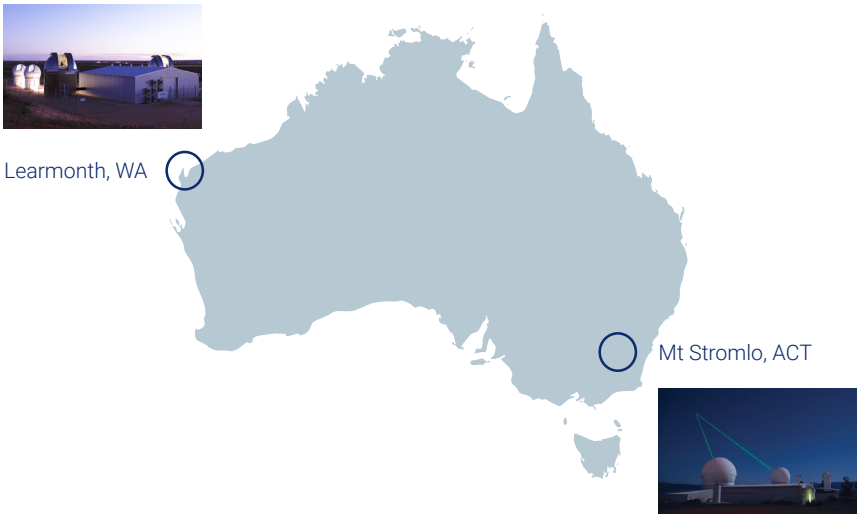
EOS

# SPACE DOMAIN AWARENESS

## WORLD-LEADING HIGH ENERGY LASERS, LARGE APERTURE BEAM DIRECTORS AND ADAPTIVE OPTICS CAPABILITIES



## EOS operates two Australian facilities, covering Australia, adjacent oceans and related space territory.






**EOS Space Systems operates a network of taskable active and passive optical sensors running 24/7 to deliver continuous space domain awareness.**

Our systems provide millimetre-precise laser ranging and high-fidelity characterisation from low Earth orbit through to cislunar, including in daylight where most optical sensors cannot operate.

Our SDA capabilities deliver collision avoidance, space traffic management and detailed analysis of satellite proximity operations and manoeuvres. This enables operators to maintain awareness and reduce the risks posed by a congested and contested orbital environment.

EOS maintains an extensive database of space assets to support customers with decision-quality information. By combining millimetre precision with pattern-of-life recognition of closely spaced objects, our systems provide unique insight into behaviours and events in space.

### SDA SERVICES

- Live threat warning 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 Cislunar
- 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

### ACCURATE

EOS sensors provide unrivalled positioning accuracy of small, dim and distant 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.

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EOS
Phone
+61 2 6222 7900
Email
enquiry@eos-aus.com
Web
eos-aus.com