



EOS Space Systems (EOS) is a leading manufacturer of large aperture beam directors and astronomical telescopes, lasers, enclosures and observatory systems

EOS provides robust, industrial grade control systems for remote and robotic telescope and observatory control. EOS observatory products are found in many astronomical and military space sensing systems around the world. EOS also owns and operates a network of telescopes for satellite and astrometric observation and research

*Telescopes & Observatory Systems*

# TYPHOON ENCLOSURE



The Typhoon Enclosure is a two-axis, all-weather dome designed for unattended operations in harsh environments, allowing for full thermal control of the telescope inside. The dome uses an extended hemisphere construction to provide unprecedented strength, and is built using high strength, fibre reinforced polymers

## FEATURES

- Two axes with multiple windows and/or apertures
- High strength for 200km/h wind loads
- All-weather and enclosed
- Optional seals for pressurised, dustproof operation to cleanroom specifications
- Suitable for remote, unmanned locations in harsh environments
- 4.5m diameter standard. Custom designs available
- Standard window positioning accelerations to  $20^\circ/\text{sec}^2$  and speeds to  $20^\circ/\text{sec}$ . Higher specifications to customer requirements
- High thermal insulation for precise seeing control and telescope thermal conditioning
- Telescopes operate in an ideal, clean, controlled environment extending telescope MTBF (MTBF > 60,000 operational hours when properly maintained)
- Standard and custom prefabricated towers, incorporating access stairs and air conditioning systems



## APPLICATIONS

- Astronomy
- Optical tracking
- Satellite laser ranging (SLR)
- Laser communications

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

Please contact us for detailed specifications, custom configurations, pricing and delivery information.

## CONTACT US

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