



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



**TEMPEST
ENCLOSURE**

The Tempest Enclosure is optimised in design for beam directors, optical communications and ideal for astronomy applications. It incorporates a composite GRP rotating dome with vertical ('up and over') bi-parting shutters. It includes fire retardant insulation (>R3 or R19 US), a ventilation floor and an active cooling system. The pre-assembled modular dome and ringwall kit minimises on site construction and integration time. This proven design also reduces ongoing maintenance costs making it an economical system to run

FEATURES

- Three level ringwall comprising:
 - Level 1: insulated equipment floor
 - Level 2: ventilation floor with four vent doors
 - Level 3: fixed observing floor with access hatch
- Can accommodate telescopes with apertures up to and including 1.5m in Cassegrain, Nasmyth and Coudé configurations
- 6.5m diameter standard, with 1.75m slit width
- Azimuth speed 4°/sec & acceleration 1°/sec²
- Shutter speed 2°/sec & acceleration 1°/sec²



- Operational wind load to 80km/h
- Dual tracking shutters (positioning to < 50mm), providing protection against wind shake and stray light
- Thermally isolated area for equipment racks
- Unvignetted viewing from 10-90° in elevation
- Automatic fail safe closure system < 3 mins
- Options (negotiable to customer requirements)
 - Pier forms
 - Tower frame
 - Ringwall panels
 - Lightning protection
 - HVAC

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

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

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