



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

ICESTORM II ENCLOSURE



The IceStorm II Enclosure is suited for large beam directors, accommodating apertures up to 2.4m; this makes it ideal for optical astronomy applications. Its robust dome construction minimises thermal effects, protects against vibration and reduces wind shake

FEATURES

- 8m diameter ringwall supporting a co-rotating spherical enclosure with diameter of 9m
- Dual tracking shutters (positioning to < 50mm) providing protection against wind shake and stray light
- Shutters accurately track telescope elevation at speeds up to 2°/sec
- Dome acceleration > 1°/sec²
- Dome rotational speed 4°/sec
- Operational wind load to 80km/h (survival wind speed 240 km/h)
- Co-rotating dome maximises space, improves safety and minimises volume for environmental conditioning
- Thermally isolated area for electronics control racks and other heat sources
- Capable of remote operations
- Composite GRP dome panels include fire retardant insulation (> R3 or R19 US); dual flap seals minimise air leakage



- System safety:
 - Automatic fail safe closure system < 3 mins
 - Emergency stop
 - Control: enclosure control system rejects operator commands
 - Maintenance mode
 - Emergency shutter closure
- Options:
 - Level 4 mezzanine floor
 - Service crane
 - HVAC
 - Nasmyth instrument hatch
 - Instrument cooling
 - Lightning protection

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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