

easat

defence



High Performance Fixed and Mobile Radar Systems

- Established manufacturer of a range of high-gain low-maintenance antennas
- Integration of complete security surveillance systems to meet customer requirements
- Enhanced radar detection performance optimised for small targets, especially in poor weather

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Easat was established in 1987 as a specialist manufacturer of bespoke, high performance radar antennas aimed at the air traffic and coastal radar markets. Since then the company has established itself as market leader in the design and manufacture of antennas for all forms of primary and secondary radar detection including surface movement radar.

Our expertise has expanded into complete sensors for the SMR market. The Easat Solid State surface movement radar is designed to provide the highest levels of detection for airport ground surveillance. It forms the major sensor component in the airport Advanced Surface Movement Guidance and Control System (A-SMCGS).

In contrast to other competitors, Easat can deliver a complete SMR turnkey package, from site survey to final safety case approval of the installed system. Our scope of supply includes all sensor equipment, civil engineering works, project management and long term equipment support, ensuring the highest level of through life support and maintenance.

Easat provides high performance transportable and mobile radar systems

- Area defence / air surveillance
- Ship based air surveillance
- Static and Mobile Coastal surveillance
- Mobile, Transportable and Gap-filling requirements



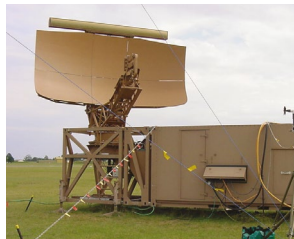
Mobile Antennas

- Compact, air transportable military air surveillance radar
- 30 minute assembly
- Dual Band – High Performance



Easat Mobile Coastal Radar System

- 2 man, 30 minute assembly
- Air transportable
- ISO Container based control room



Transportable Long-Range Antenna - Designated EA5427

- Very high performance, better than ICAO Civilian standards
- Accepts co-mounted SSR
- Can be erected in 45 minutes



'MonoTube' Pre-Fabricated Towers

- Rapidly Deployable - 5 hours onto concrete base
- Pre-Fabricated, Pre-Cabled, Pre-Equipped
- Suitable for Coastal, Airport, Military and Border Control / Forward Operating Base use.



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- Easat has been providing both fixed and transportable radar solutions around the world for over 20 years. Our equipment is in service with the US Marine Corps, The Royal Australian Air Force, Norwegian Army and the UK Royal Navy.
- We supply purpose built high performance radar antennas or complete systems to specific requirements. Our designs include ISO container based deployable Long-range air-surveillance antenna systems, mobile systems and we have the D-CASS 'Gap-filler' medium range (60nm) trailer or palletised air-surveillance radar antenna system. Transmitter-receiver systems, trackers and data processing, display and control systems can also be provided.

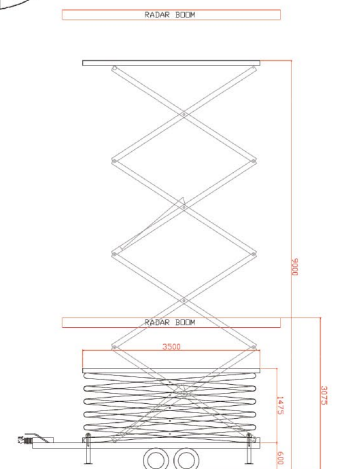
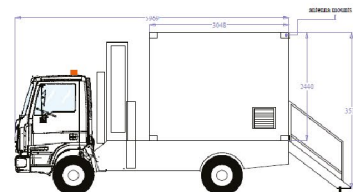
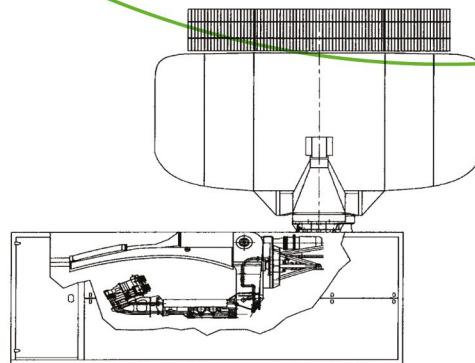
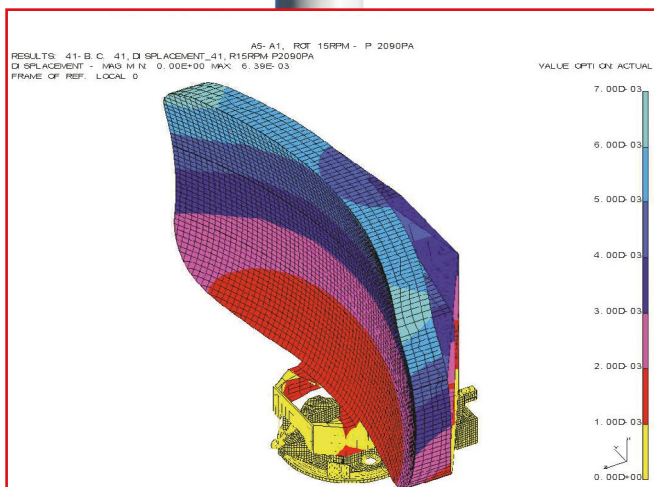
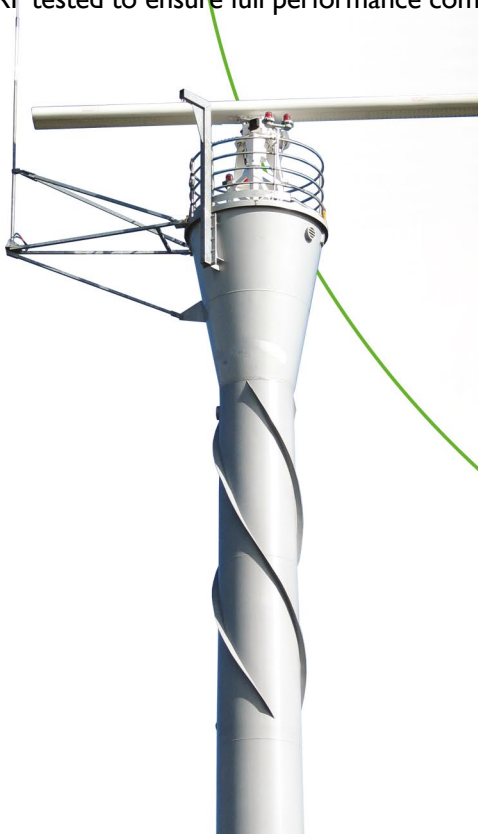


- D-CASS: Deployable compact air surveillance sensor: Self-contained, lightweight, collapsible and available in many mounting options - Rapid deployment design allows operation in 30 minutes. Dual frequency, carbon fibre composite reflector operates at S-band and L-band. Three states of polarisation for S-band. At L-band, the antenna operates in IFF/SSR with three beams: sum, difference and omni giving leading-edge RF performance.
- Easat can economically upgrade/modernise an existing radar system, giving it a new lease of life and even increase its performance. Improvements can often be made to the turning unit, rotating joint and waveguide, to the antenna reflector and by the addition of an extra channel/frequency, SSR or polarisation state.



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- Latest 3D computer modelling software is utilised for mechanical design and structural analysis
- Industry standard software is used to evaluate radarsensor parameters thus ensuring maximum performance
- Each antenna manufactured by Easat is independently RF tested to ensure full performance compliance



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