



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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RADAR SYSTEMS

Easat Radar Systems Ltd was founded in 1987 as an independent specialist Company to design and build high-performance radar antennas. Since then the Company, a subsidiary of Goodwin PLC, has established itself as market leader in the manufacture of complete radar systems.

Easat offers a full range of radar antennas, pedestals, towers and complete radar systems for Air Traffic Control (ATC) and Coastal Surveillance (CS) applications.

Easat's radar equipment is in service in over 60 countries worldwide, with more than 500 installations.

Products include:

- ATC using permanent or transportable radar systems, Primary Surveillance Radar (PSR) & Monopulse Secondary Surveillance Radar (MSSR).
- Air defence ATC using permanent or transportable systems.
- Airport Surface Movement Radar (SMR) and Advanced-Surface Movement Guidance and Control System (A-SMGCS).
- Automatic Dependent Surveillance - Broadcast (ADS-B) Systems.
- Precision Approach Radar upgrades (PAR).
- Offshore and Coastal Surveillance radar systems.

Easat is able to deliver complete turn-key packages, from site survey to final installation safety case approval of installed system. Scope of supply can include complete radar systems, civil engineering works, project management and long-term equipment support, ensuring the highest levels of 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, 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 assembled 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



- 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 Air Force, 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 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.



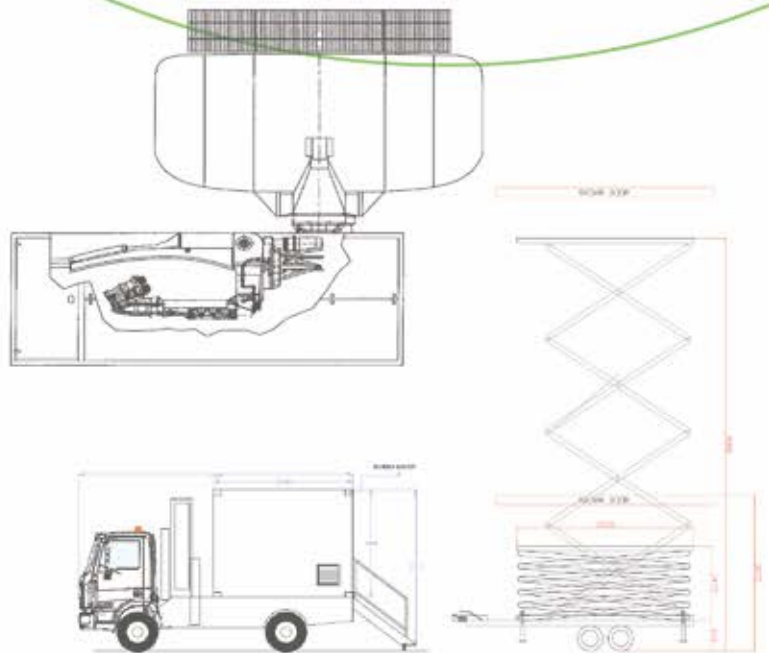
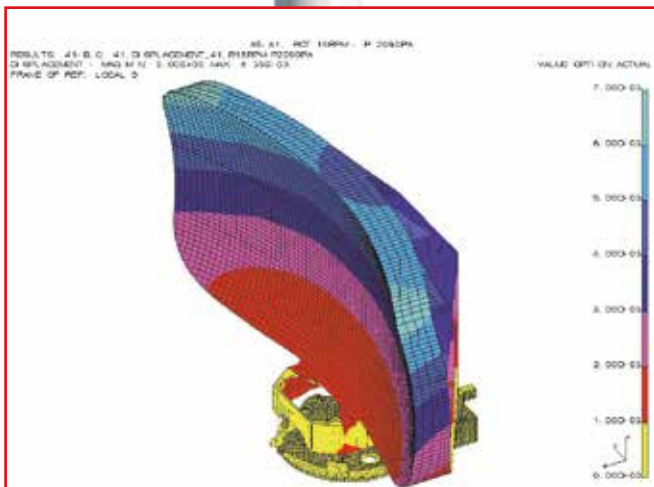
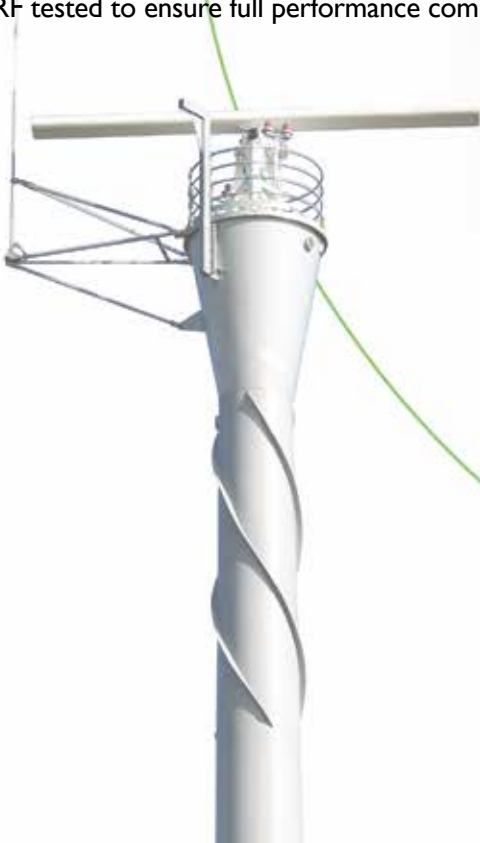
- D-CASS: Deployable compact air surveillance sensor: Self-contained, lightweight, collapsible and available in many mounting options. Dual frequency, carbon fibre composite reflector operates at S-band and L-band. There are three states of polarisation for S-band, and at L-band, the antenna operates in IFF/SSR with three beams: sum, difference and omni giving leading-edge RF performance.
- Easat will 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 radar sensor parameters thus ensuring maximum performance.
- Each radar antenna manufactured by Easat is independently RF tested to ensure full performance compliance.



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