easat
RADAR SYSTEMS

Transportable Air Traffic Control Radars

High Performance Radar Systems

- Transportable Air Traffic Management System
- Fully optimised for disaster, emergency or expeditionary deployment
- Full Primary and Secondary ATM capability

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RADAR SYSTEMS

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

Easat design and build antennas and complete radar sensor systems for a wide range of applications.

Easat high-gain radar antennas provide enhanced protection of high-value offshore production facilities in challenging security environments.

Easat's surveillance systems are in use globally for long-range detection of maritime vessels and for the identification of potential threats from pirates and militants.

Easat Transportable Air Traffic Control Radars

Designed to support safe and efficient airspace operations wherever air traffic management infrastructure is non-existent or has been severely compromised

- Complete air traffic management functionality in easily transported self-contained configuration
- Rapid autonomous deployment worldwide by truck or C130 cargo aircraft
- Optimised for disaster emergency or expeditionary deployment
- Dual frequency – operates at S-band and L-band – providing full primary and secondary air traffic surveillance capability
- Easat Transportable antennas have been selected by US Air Force and Air National Guard for D-RAPCON program
- Lightweight Transportable dual frequency antenna available in D-CASS configuration – operational in 30 minutes
- Carbon fibre composite

Transportable ATC Radar

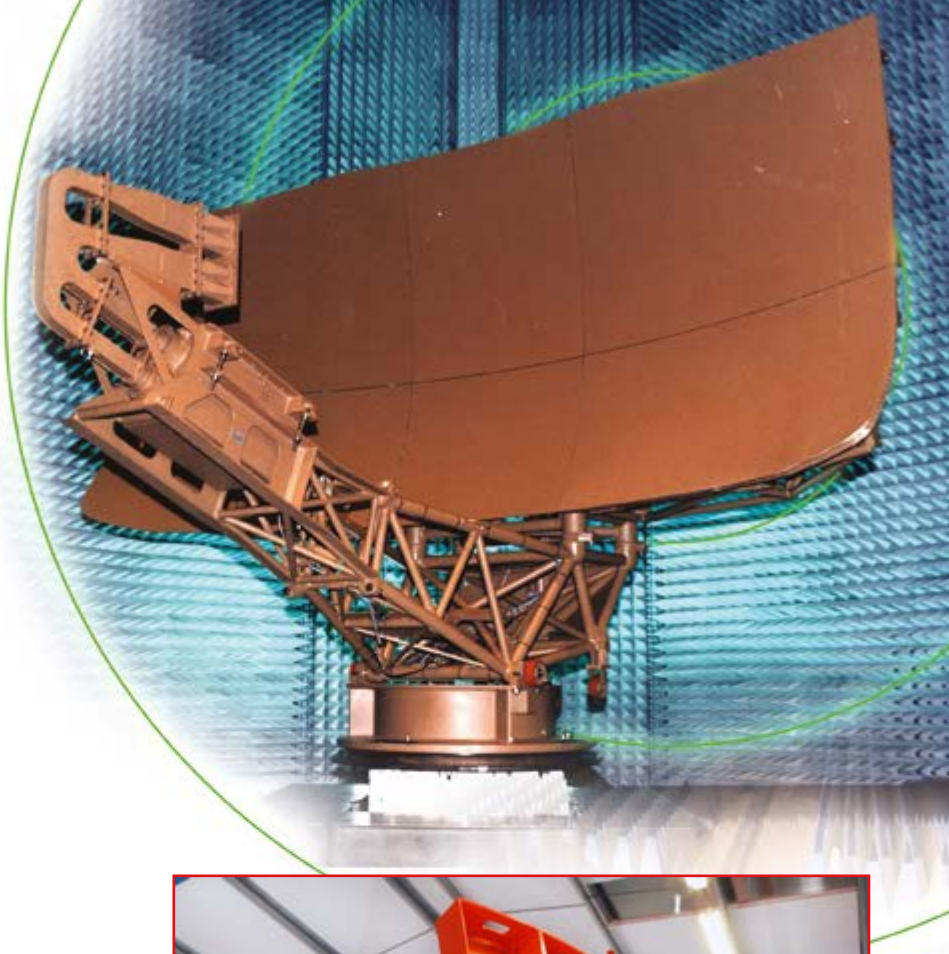
- S-band and L-band lightweight carbon fibre composite antenna
- Composite pedestal
- Robust design structure
- Full MIL and DEF-STAN Qualification
- 20 year design life
- Antenna and pedestal mounted on bespoke 20ft pallet
- Rapid set-up and into-operation times

Transportable ATC System - S-Band Radar

- Standard cosecant squared beam shape
- Adjust +/- 5 degrees
- 90 NM range (RCS 2m², PD=90%)
- Switchable polarization for improved target detection in presence of rain
- Maximum detection range: 60NM

Transportable ATC System - L-Band (SIF)

- Dipoles integrated into antenna
- Separately adjusted +/- 2 degrees from S-band
- Maximum range in excess of 200 NM



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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 antenna manufactured by Easat is independently RF tested to ensure full performance compliance

Easat Transportable ATC Radar shown in stowed / palletised configuration and in fully deployed configuration

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