

# easat

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

[www.easat.com](http://www.easat.com)

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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 2m<sup>2</sup>, PD=90% )
- Switchable polarization for improved target detection in presence of rain
- Maximum detection range: 60NM

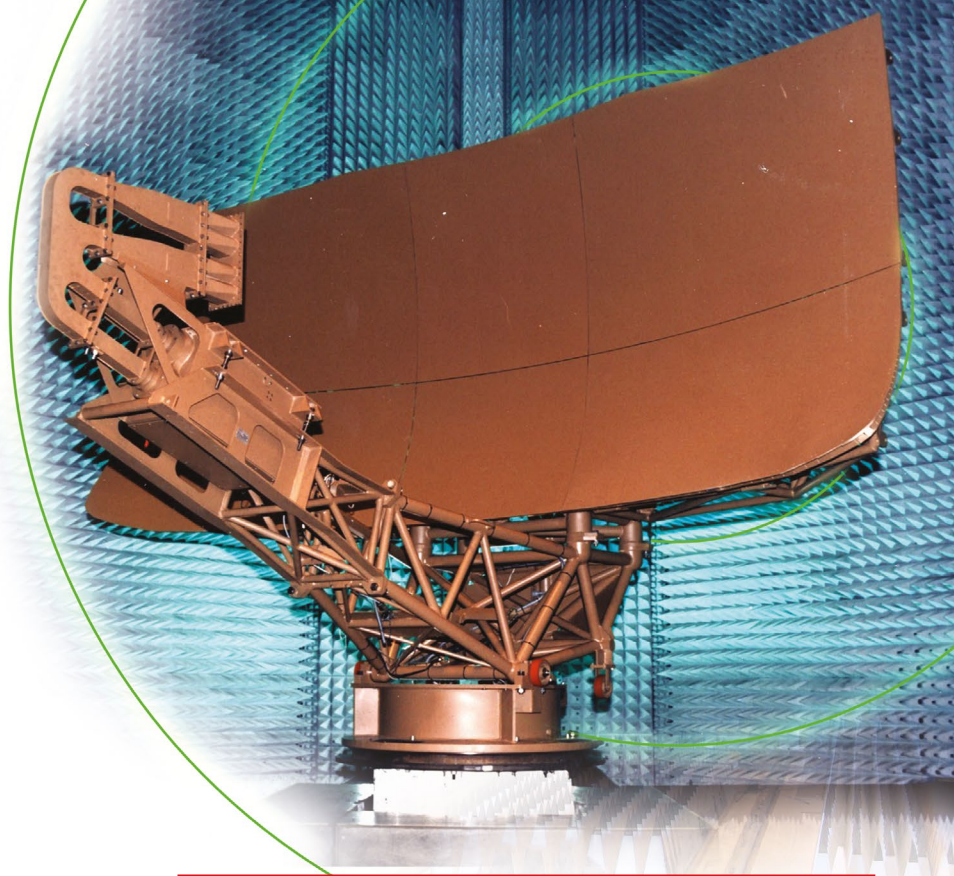


### Transportable ATC System - L-Band (SIF)

- 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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