



High-Performance Radar Systems for Coastal Protection

- Established manufacturer of a range of high-gain low-maintenance antennas for detection of small targets
- Integration of complete security surveillance systems to meet customer requirements
- Enhanced radar detection performance with polarisation switching

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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 systems. Easat also supplies radar sensors for land-based surveillance installations engaged in the detection and identification of sea and air targets.

Easat products are in service in many parts of the world, applications include:

- Coastal surveillance for law enforcement and border protection
- Port approach and coastal traffic monitoring for coastguard services, port authorities and commercial organisations
- Offshore surveillance around sensitive facilities, notably oil and gas installations;
- Air traffic monitoring and airport surface movement using permanent or transportable systems
- Military range safety

Easat is able to provide complete solutions to include:

- Project management
- Site surveys
- Antenna tower design and manufacture
- Installation and commissioning services
- Control room displays
- Full integration with other security sensors to provide multi-layer surveillance systems
- Maintenance

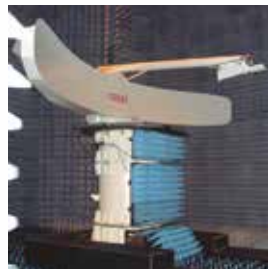
Easat provides complete turn-key radar sensor systems for:

- Protection of exclusive economic zone
- Surveillance for maritime law enforcement and illegal activities
- Port approach control radar

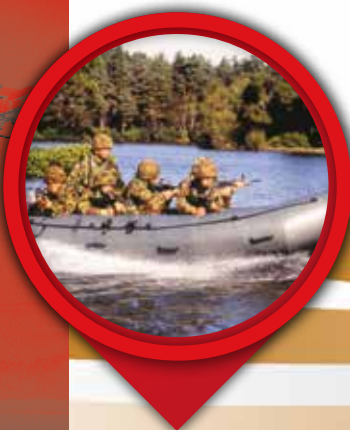


For long-range detection of:

- Large vessels
- Rigid inflatable boats
- High-speed launches
- Fishing boats



- Over 20 years experience in providing radar systems to meet customers requirements
- Low-maintenance and high reliability



- Optimised for operations in adverse environmental conditions.
- Open architecture allows the Easat radar antenna range to be used with traditional magnetron or the latest solid state transceivers and be integrated into existing radar processing and tracking systems.
- Site survey, tower assembly design and full consultation service provided by Easat's knowledgeable, experienced and dedicated staff.



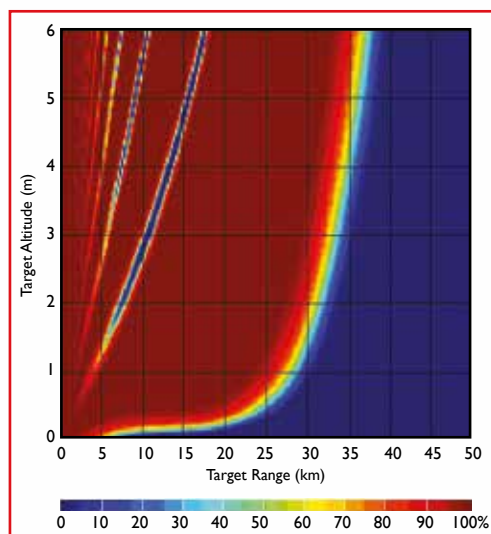
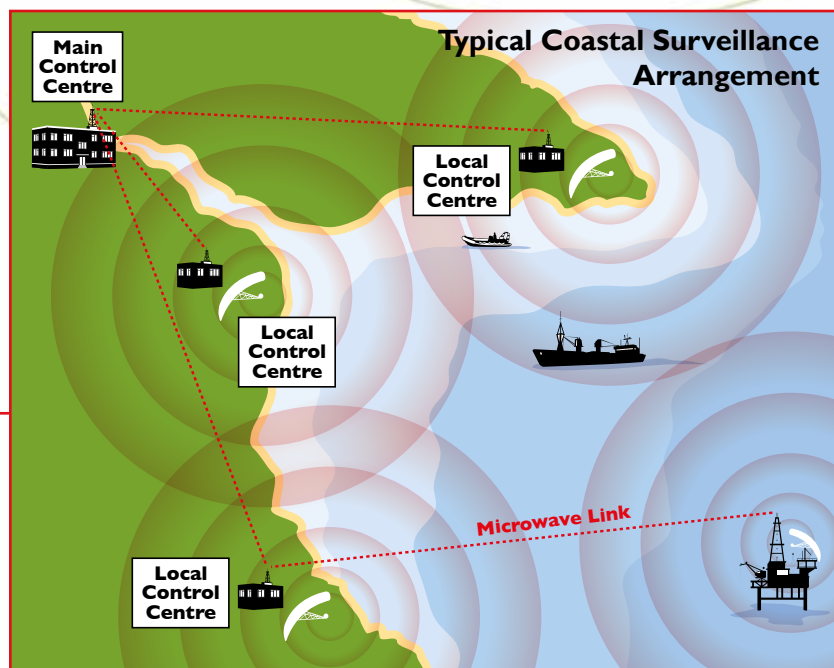
- Easat is a market leader in the manufacture of cost-effective bespoke surveillance radars for the detection of small targets in all weather conditions.
- Independent evaluation by a leading defence research company identified the Easat solution as offering superior detection performance against small targets, compared to other commercial radar manufacturers.



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RADAR SYSTEMS

- 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.



Carrier Frequency	: 9375 MHz
PRF	: 0.8 kHz
Peak Power	: 25 kW
Pulse Length	: 0.80 us
Inst. Bandwidth	: 1.3 MHz
Transmit Gain	: 40 dBi
Receive Gain	: 40 dBi
Target RCS	: 100 m ²
Swerling Case	: 1
False Alarm Prob.	: 1e-004
Radar Height	: 63 m
Sea State	: 3
Doppler Processing	: none
Pulse Bursts	: 3



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