



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 antennas. 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

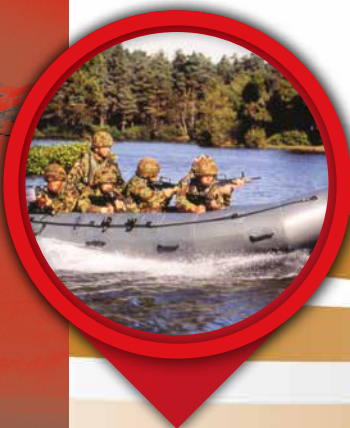


For long-range detection of...

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



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



- Easat is 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.



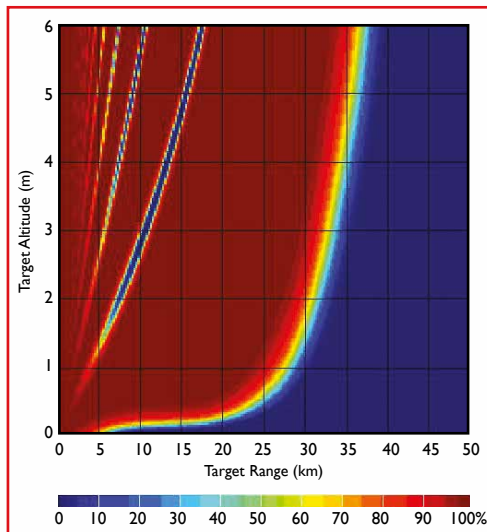
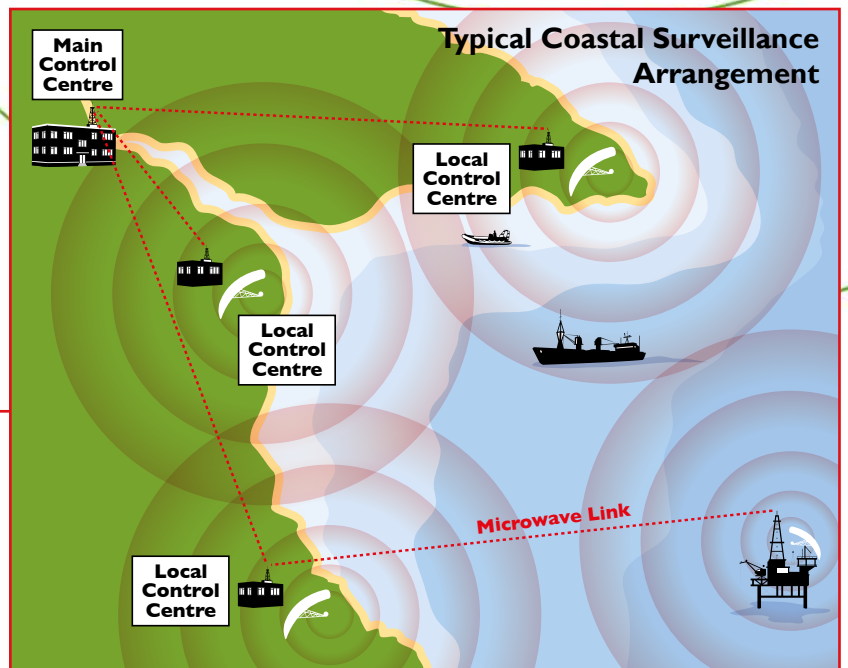
- Operation under harsh environmental conditions.
- Open architecture allows the Easat antenna range to be used with traditional magnetron or the latest advance solid state transceivers and be integrated in to existing radar processing and tracking systems.
- Site survey, tower assembly design and full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



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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 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