

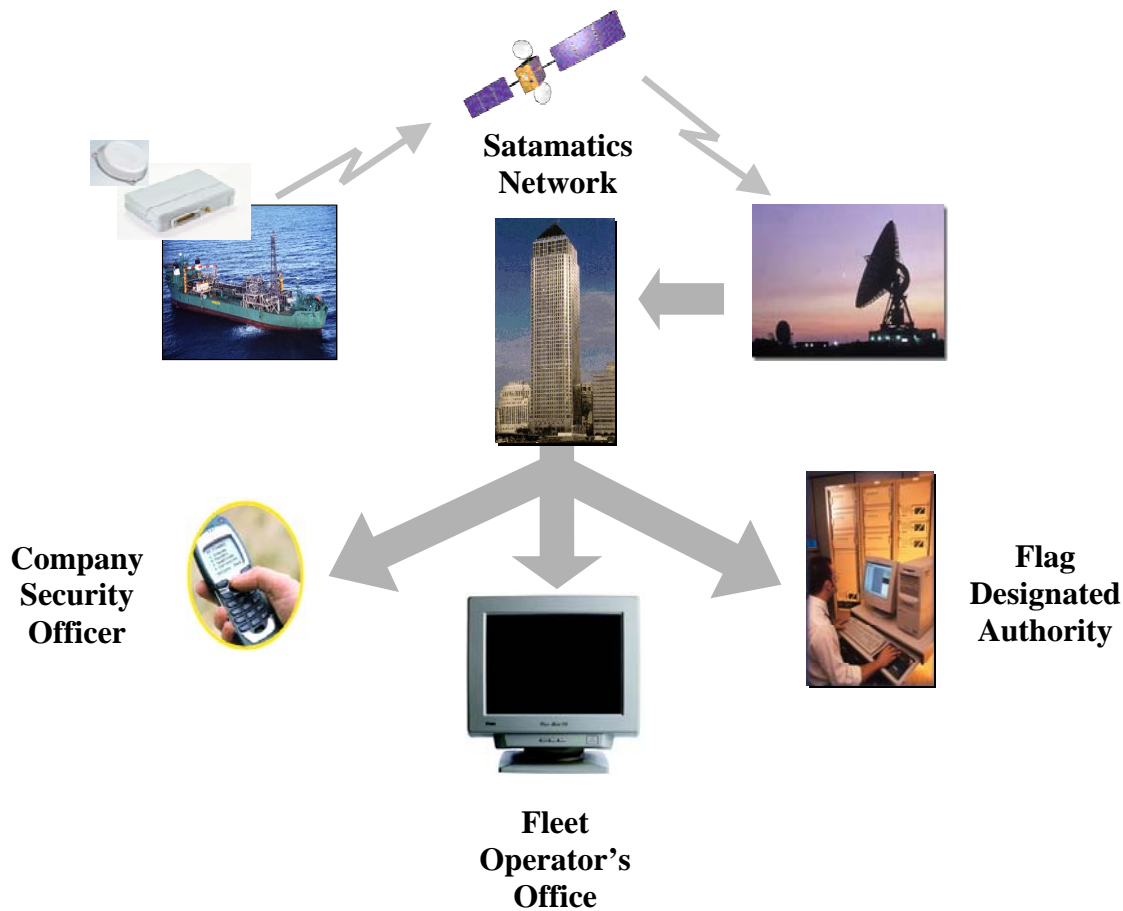


ocean alert
ship security alert system

FEATURES AND CAPABILITIES

- Meets or exceeds **all** mandatory requirements of SOLAS Regulation XI-2/6
- Most cost effective SSAS solution with most reliable message delivery technology
- Bundled end-to-end solutions including reporting service, airtime, hardware and alert notification, no monthly airtime fees
- SAT-101 satellite terminal offers true global coverage with fully automatic roaming across all Inmarsat ocean regions
- Miniature antenna allows covert and flexible installation
- Precise location and status delivered to desktop via the web, email and SMS
- Integral internal back up battery
- Upgradeable to meet Long Range Vessel Tracking requirements
- Test mode and 'heartbeat' operation to ensure constant readiness
- Inmarsat Type Approved
- Type approved to IEC 60945

OCEAN ALERT SYSTEM FROM SATAMATICS



Ocean Alert meets or exceeds all mandatory regulations, guidance notes and performance standards for Ship Security Alert Systems.

Ocean Alert's global coverage provides fully automatic roaming across all the world's ocean regions. Its low power consumption and proven network reliability make Ocean Alert a cost-effective, low-maintenance, end-to-end solution to meet ship security requirements. In addition it provides a useful long-range tracking capability for fleet operators.

Global Coverage

Satamatics' global service provides coverage throughout the world, utilising the Inmarsat system of geostationary satellites and the Inmarsat D+ protocol, ensuring maximum quality of service and rapid message delivery.

Automatic Roaming

Unlike other systems, Ocean Alert will automatically switch between geostationary satellites without any intervention as ships sail the high seas, allowing complete, seamless and uninterrupted global roaming across all ocean regions of the world.

Ultra-Low Elevation Angle

Sealed and certified to IP66 for operation above decks in heavy seas, Ocean Alert's compact and concealable omni-directional antenna has a 'look angle' of elevation less than five degrees above the horizon, ensuring unrivalled levels of operation.

Tracking

Utilising the compact and easily concealable Satamatics SAT 101 advanced satellite terminal with integrated 12-channel GPS receiver and D+ transceiver, Ocean Alert continuously monitors the ship's location, together with its external power supply and alert activation points, automatically transmitting the ship's precise location back to the fleet operating company up to 6 times per day, according to the airtime package.

Web Interface

The precise location and status of every ship in a fleet can be tracked on any desktop or laptop computer connected to the Internet. The Ocean Alert website is accessed using a standard web browser. Security is ensured with User Name and Password login.

Using the Ocean Alert web interface, fleet managers can also interrogate the satellite terminal on-board ship for a current position report, or remotely upgrade the terminal to an increased tracking frequency airtime package.

The user-friendly web interface allows fleet managers to setup nominated contact names, mobile phone numbers and e-mail addresses for automatic SMS and e-mail alert notifications in the event of a number of conditions arising including emergency alert activation, power interruptions, etc.

Alert Notification

In an emergency where the security of the ship is compromised, the triggering of any of the covert Activation Points will immediately raise an alert, automatically sending SMS text and e-mail alert messages to the fleet operator's chosen points of contact.

During such ongoing alert conditions, Ocean Alert will increase its automatic position reports to every 30 minutes, until the emergency is resolved.

Ongoing alert messages will continue to allow the ship's precise location to be tracked, identifying which alert activation point has been triggered, and reporting any tampering with the external power supply.

Tamper Proof

In the event of the external power supply interruption including malicious disconnection, Ocean Alert's integrated back-up battery will take over. The terminal will immediately broadcast a power supply interruption warning message and switch into 'power-saving' mode, continuing to monitor the covert activation points for activation or further tampering.

Test and Dry Dock

Ocean Alert provides a key-switch operated test mode in order that an authorised authority on board ship may test the entire end-to-end system - from activation points through to the web interface and e-mail messages - without inadvertently generating a false alarm to the authorities.

In addition, the system can be disabled from the key-switch, which will electrically isolate all exposed activation points and switchgear, and disable transmission of tracking and alert messages.

Accidental transmission of alert messages on re-activation of the system after maintenance, are avoided by first switching into test mode.

SYSTEM COMPONENTS

Ocean Alert control unit

- Compact, easily concealable enclosure
- Houses SAT-101 terminal and rechargeable Ni-Mh battery pack
- 3-position key switch (off, test, on)
- 2 Activation Point connectors
- Antenna connector
- External power supply connector
- Serial Port connector for optional Long Range Vessel Tracking (LRVT) data terminal

Satamatics SAT-101 intelligent satellite terminal

- Integrated 12-channel GPS receiver
- L-Band D+ transceiver
- Programmable processor
- Rechargeable backup battery pack
- Inmarsat type approved
- IEC 60945 Certification
- Inmarsat D+ class approved for SSAS

Satamatics SAT-101 antenna

- Omni-directional, ultra low elevation angle
- Sealed IP66
- 112mm diameter x 37 mm high
- Antenna mounting bracket

2 Alert activation points

- Double-action to prevent inadvertent operation

Antenna cable from control unit to SAT-101 antenna (optional)

- RG214 coaxial cable
- Available in 5m, 10m and 20m lengths

30 meters cable connecting control unit to activation point (optional)

- Maritime cable
- Double shielded
- Flame retardant to IEC60332-3A, halogen free

Future proofed for Long Range Vessel Tracking

- Additional serial connector port for optional LRVT data terminal
- Intelligent re-programmable terminal

FURTHER INFORMATION

For further information on Ocean Alert SSAS, or to buy online, please see our website:

www.satamatics.com/ssas