



OCEAN
ALERT

MK III

SSAS & LRIT Solution

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Ship Security Alert System with Long Range Identification and Tracking

the system

This solution meets or exceeds all mandatory regulations for Ship Security Alert Systems (SSAS), and as of January 2009 all purchased units provide Long Range Identification and Tracking (LRIT) capability as standard.

The latest version of this highly successful solution incorporates Satamatics SAT-201i. This proven terminal is the smallest Inmarsat IsatM2M transceiver on the market, making the unit both discreet and compact.

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.

features and capabilities

- Meets or exceeds all mandatory requirements of SOLAS Regulation XI-2/6 (SSAS)
- Meets all SOLAS V19.1 regulations (LRIT)
- Most cost effective SSAS/LRIT solution with most reliable message delivery technology
- Bundled end-to-end SSAS solutions including reporting service, airtime, hardware and alert notification, no monthly airtime fees
- SAT-201i satellite terminal technology offers true global coverage with fully automatic roaming across all ocean regions
- Micro technology allows discreet and flexible installation
- Precise location and status delivered to desktop via the web, email and SMS
- In-built internal back-up battery
- Test mode and 'heartbeat' operation to ensure constant readiness
- Inmarsat Type Approved
- Type approved to IEC 60945
- Class Society approved, see www.satamatics.com/ssas for details

“ OCEAN ALERT meets all required
SOLAS Regulations ”



secure reliable technology

global coverage

Satamatics' global service provides coverage throughout the world, utilising the Inmarsat system of geostationary satellites and the IsatM2M protocol. This is one of the most cost effective services on the market and provides high quality rapid message delivery.

automatic roaming

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

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

Ocean Alert continuously monitors a ship's location, together with its external power supply and alert activation points. The system will automatically transmit the ship's exact location to the fleet operating company at customer defined intervals.

web site

The 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 request a current position report from the on-board satellite terminal.

The user-friendly web interface allows fleet managers to set up nominated contact names, mobile phone numbers and e-mail addresses for automatic SMS and e-mail alert notifications in the case of events such as emergency alerts, power interruptions, etc.

“ the most cost effective SSAS & LRIT solution using the most reliable technology”



true global service

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 being interrupted - including malicious disconnection - Ocean Alert's in-built 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 points for activation or further tampering.

test and dry dock

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

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the complete SSAS & LRIT solution
in one package



“ micro technology allows discreet
and flexible installation”

system components

Ocean Alert control box

- Compact, easily concealable, anonymous, sealed grey metal box
- Houses GEM-100 module and battery pack
- 3-position key switch (off, test, on)
- 2 activation point connectors
- Data control connector (to modem)
- External power supply connector

Satamatics SAT-201i intelligent satellite terminal

- Integrated 12-channel GPS receiver
- L-Band IsatM2M transceiver
- Programmable processor
- Inmarsat type approved
- Omni-directional, low elevation angle
- IEC 60945 Certification
- Sealed IP66
- 112mm diameter x 45.75mm high
- Antenna mounting plate included

Two alert activation points

- Double-action to prevent inadvertent operation
- Additional activation points optional

Data control cable from control unit to SAT-201i

- Available in 5, 10, 15 & 20 metre lengths (sold separately)

Ocean Alert Switch Cable (optional)

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



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