

SEA ON NET

VSAT satellite solutions for maritime global market

TELESPAZIO, WITH SEA ON NET, OFFERS A COMPLETE RANGE OF SATELLITE SOLUTIONS FOR VSAT COMMUNICATION TECHNOLOGY, EXPRESSLY DESIGNED FOR THE MARITIME SECTOR.



NETWORK &
CONNECTIVITY



A Finmeccanica / Alcatel Company

SOLUTIONS DESIGNED FOR

- Oil & gas companies
- Cruise ships
- Cargo shipping companies
- Engineering market

International companies require a telecommunication infrastructure that integrates different networks, technologies and providers. This need is even more critical when the network includes remote offices located where no terrestrial communication infrastructure exists. This challenge is all too familiar for companies involved in the maritime sector. Very often their business operates all over the world, with offices in deserted areas, on sea-platforms and on board ships. Telespazio offers SeaonNet, a complete range of satellite solutions for VSAT (Very Small Aperture Terminal) communication technology, expressly designed for the maritime sector. Our network makes Internet, Intranet, e-mail, phone calls, videoconferencing, web-TV and radio, GSM services and pre-paid crew calling cards available everywhere. Additionally, our VSAT infrastructure can significantly increase your Intranet network services, permitting full integration at remote sites, such as ships or sea-platforms. Thanks to SeaonNet, you will be able to provide real-time corporate applications on board your vessels:

- electronic payment
- cash dispenser (ATM)
- on board e-booking
- video advertising
- emergency communications
- automatic remote system control and surveillance
- video surveillance
- on-line technical assistance and support
- videoconference
- telemedicine
- e-learning

Each customer has different requirements, and with SeaonNet we provide individual, customized solutions, supporting every phase of the process. SeaonNet aims at seamlessly incorporating VSAT technology into the customer business environment. The process starts with a needs assessment. Personalized consultancy and strategic business analysis are combined with the complete solution design, resulting in the development and integration of all network components. The network installation, start-up and subsequent operation and maintenance are provided all over the world through Telespazio's NCC (National Control Centre) at Fucino, Italy. SeaonNet is able to satisfy any kind of communication need, thanks to the coverage our satellite network provides and to the interoperability with our customers' technological infrastructure. Satellite solutions are the preferred choice when you have to provide connectivity between fixed and mobile offices scattered throughout the world.

Key Telespazio's SeaonNet advantages

- **Strategically located between Indian and Atlantic Ocean region, Mediterranean and North Sea**
- **Assistance 24 hours a day, 7 days per week**
- **Complete support in all phases of the service**
- **C-and Ku-band antennas**
- **Technological expertise plus forty years of satellite services**
- **Distinct infrastructure system, comprising of 4 space centres, making Telespazio one the most important satellite operators**
- **Strategic relationships with other leading satellite operators worldwide**

The technological solutions

SeaonNet exploits the enormous potential of Intelsat's global satellite coverage by connecting three satellites, as well as the flexibility of the broadband satellite TDMA infrastructure, enabling telecommunication services from any part of the globe, with connectivity of up to 2 Mbps. This, and the ability to order bandwidth-on-demand, allow for cost-effective connectivity at your remote sites.

An almost seamless worldwide service can be provided to moving vessels adopting an easy mechanism for satellite changeover. Traffic originated by the maritime network is collected through two large C-band antennas, located at the Fucino Space Centre in Italy, operating in the Indian and Atlantic Ocean regions, while a third earth station located at the Riverside Intelsat teleport provides coverage in the Pacific Ocean region.



Telespazio S.p.A.

Via Tiburtina, 965

00156 Rome - Italy

Phone (+39) 06.40791

www.telespazio.com



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