World-Link
communications

Corporate Brochure

World-Link
communications

Maritime Satellite Communications Done Right

"We take ownership of edge-to-edge connectivity"

www.wlnet.com

Content

01. Who we are

MARITIME SATELLITE COMMUNICATIONS DONE RIGHT

For over 30 years we have been delivering the kind of bespoke maritime satellite communications solutions our customers need.

Founded in 1989, headquartered in Framingham, Massachusetts, and operating from multiple offices around the world, our renowned teams meet the needs of more than 1,800 vessels worldwide every day by developing value-added services based on their specific requirements.

Through years of commitment, we have built strong partnerships with many of the world's top operators, managing our own communications hubs, based on Inmarsat, Intelsat, and Iridium technologies. We are proud to be a top tier distribution partner with many satellite equipment manufacturers.

Our efforts have been recognised by our partners, and our work has been awarded multiple times for technical innovation.

CUTTING-EDGE TECHNOLOGY

Mission

For more than 30 years, we have been keeping merchant ships connected at sea. We are committed to building and delivering innovative maritime satellite communications solutions in an affordable, secure, and reliable way, backed up by our dedicated customer support.

Vision

Satellite communications have a fundamental role in the maritime industry and we are proud of the role we play in this ecosystem, ensuring secure and efficient connectivity from shore-to-ship and ship-to-shore. This is core to our aim of being acknowledged as a leading supplier of smart global maritime satellite communications solutions to the maritime sector.

Fully Managed Broadband Service

ShipSat
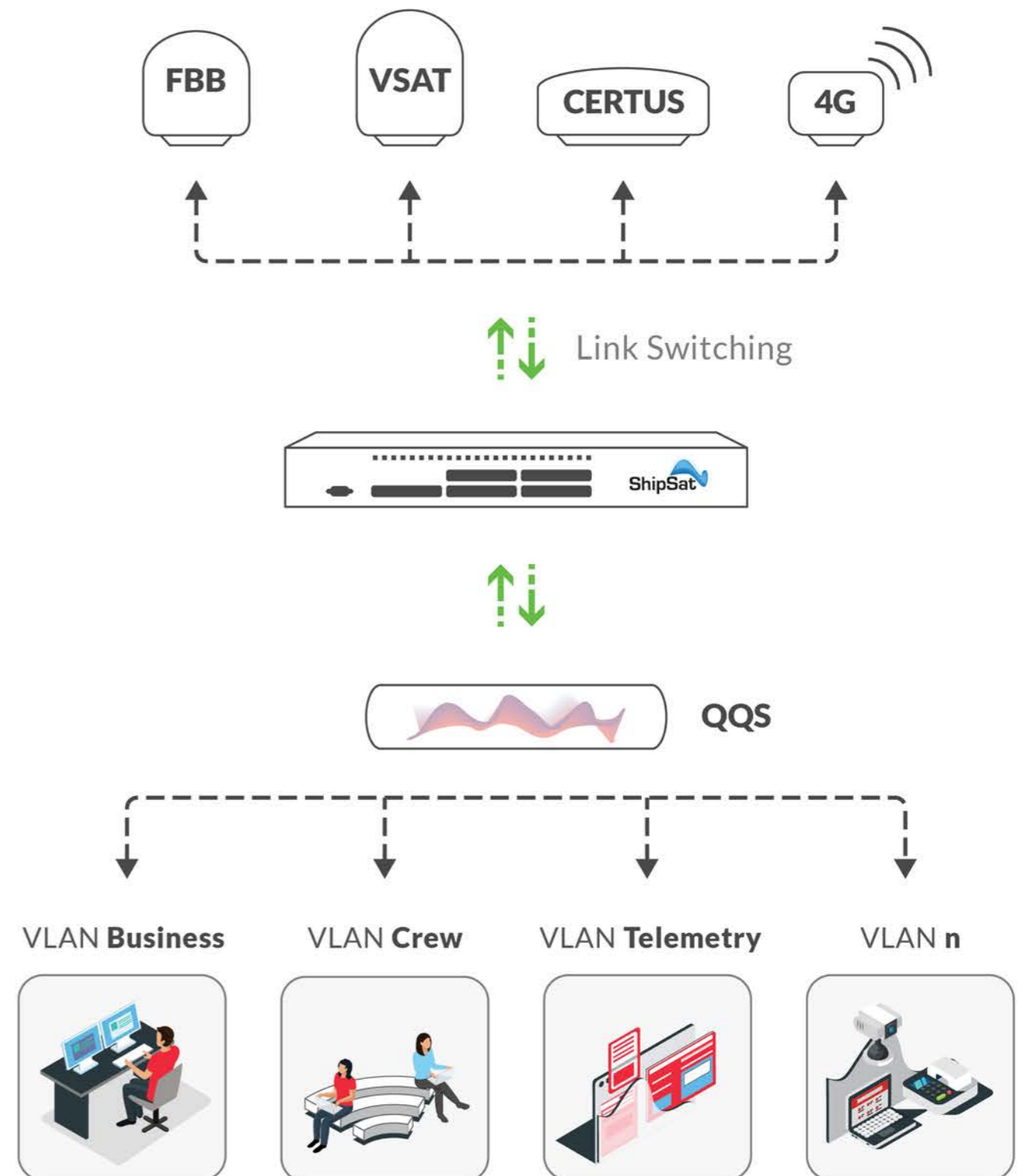### A complete SatCom management platform

ShipSat is World-Link's Gateway that connects the Headquarters onshore with any vessel of the fleet out at sea.

It offers a user-friendly but powerful dashboard with insightful information on the status of each ship. Moreover, it provides granular control over the vessel's satellite communications, enabling the management of all aspects of maritime operations and data connectivity.

- Compatible with any IP connectivity service.
- Internet cafe access for data & voice on board.
- Link Switching | Optimization | Policies.
- Configuration module for all IT-related settings.
- Integrated firewall for network security.
- Virtual LAN for network isolation.
- QOS traffic prioritization.
- Easy and secure VPN & remote access onboard.

- Web interface for live administration.
- Integrated setup Wizard.
- Integrated VOIP PBX module to configure VOIP extension and rates.
- Fleet file transfer and synchronization.
- Real-time fleet monitor – live vessel status and current setup.
- Real-time GPS positioning.
- Billing section for crew internet access, refill, and history.
- Report module for the crew data & voice usage.

FBB VSAT CERTUS 4G

Link Switching

ShipSat

QQS

VLAN **Business**   VLAN **Crew**   VLAN **Telemetry**   VLAN **n**

ShipSat is offered as a monthly subscription service and comes with regular software security upgrades and support. The required hardware is also provided.

ShipSecure

Protecting all aspects of internet communications is crucial for the success of maritime operations.

ShipSecure aims to provide a comprehensive all-around cyber security solution to help protect a vessel from all kinds of cyber threats. It is set up on a layered network, approach to make it harder for aspiring infiltrators to move laterally or make their way deeper inside the vessel's communications and IT infrastructure.

Moreover, it deploys network traffic analysis tools that can catch common signs of threats, filter out phishing and malware infection attempts. It compares apps and URLs against an up-to-date virus and threat database.

ShipSecure is a service that fully integrates with the mobile satellite communications platform and the IT infrastructure onboard, without requiring any additional financial resources or manpower to operate. Being an enhanced solution, ShipSecure combines value-added services such as ShipGate, ShipLink, ShipGuard, and ShipNet.
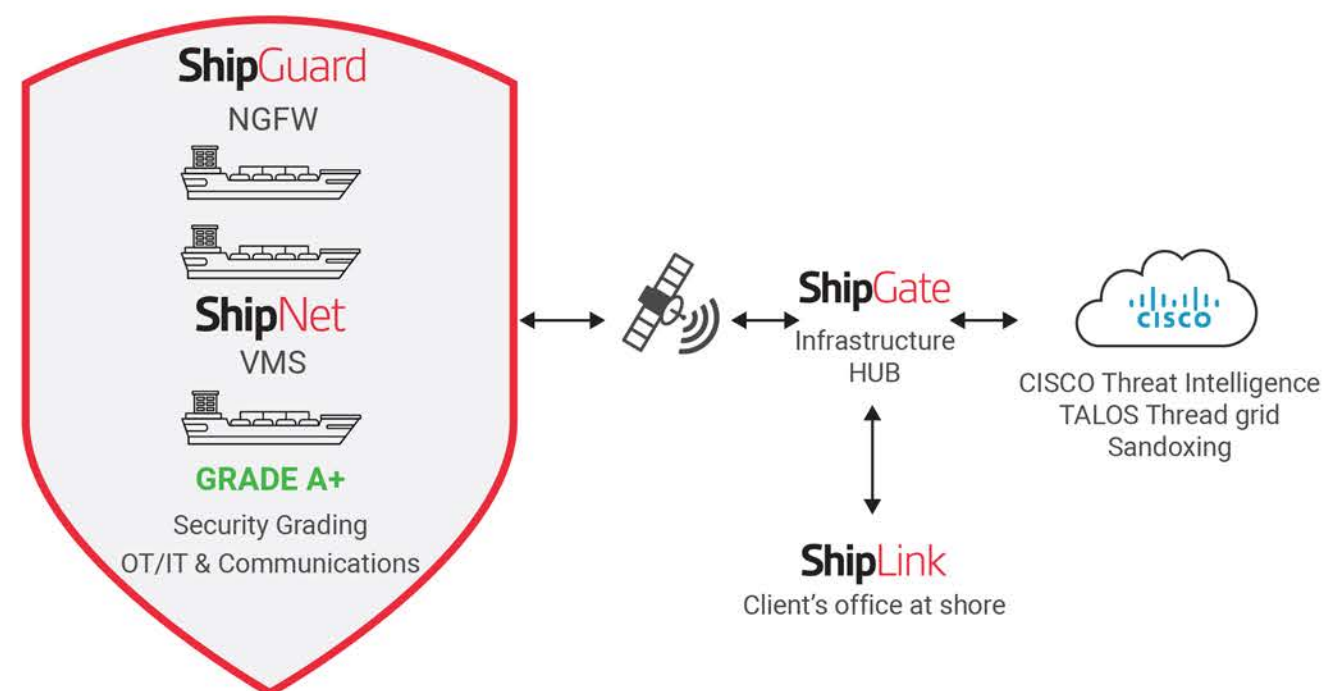
ShipGate
The cyber threat management system that protects your vessel network during different phases of a cyber-attack.

ShipLink
Linking your fleet securely with the shore network via remote access tools that deploy end-to-end encryption.

ShipGuard
Next-generation firewall with advanced filtering, and dynamic IDS/IPS detection features.

ShipNet
Powerful network vulnerability scanner that mitigates the risk of known attacks by 99%.

Real-Time Managament of Attack

ShipGuard NGFW

ShipNet VMS

GRADE A+
Security Grading
OT/IT & Communications

ShipGate
Infrastructure HUB

CISCO Threat Intelligence
TALOS Thread grid
Sandoxing

ShipLink
Client's office at shore

IMO Guideline Elements

Identify	ShipNet	Continuous assessment of the vessel network through the Vulnerability Management System (VMS).
Protect	ShipGuard	Enhanced network protection through next-generation firewall (NGFW).
Detect	ShipGate	Real-time intrusion detection and prevention (IDS/IDP) from the cloud.
Respond	ShipGuard	AntiMalware Protection (AMP) for the End Point.
Resolve	24/7 SOC	Detailed Log and Incident Analysis.

ShipMail

Our email solution addresses maritime-specific needs, minimizing the cost of operations, and achieving maximum efficiency on "ship to ship" and "ship to shore" channels.

- Supports all Windows versions.
- Remote management via the web client.
- Unlimited number of crew mailboxes, no external traffic for local mails.
- Smart least-cost routing and high compression rates.
- Custom in/out message size limits for every user.
- Compatibility with all popular mail clients.

- Webmail add-on.
- Spam and virus detection and filtering on the shore-based server.
- Automatic send/receive rules.
- Setting up white and black lists.
- Onboard administration.
- Full reporting, log generation, and retention.

ShipAV

ShipAV is a maritime-focused antivirus solution featuring real-time protection against viruses and software.

The tool consults a virus database that's updated on a daily basis and also deploys heuristic threat detection algorithms.

It is geared for maritime deployment, and it fully respects the data communication constraints that underpin all operations in the field.

- Small daily updates that ensure adequate protection at an affordable rate.
- Bi-directional virus content filtering from and to the ship network.
- Content inspection within the SMTP/POP3 protocols ensuring safety before message delivery.
- Easy installation on standalone PCs, and on onboard or ashore network systems.

ShipForms

The winner of the "Seatrade Award for Innovation"

ShipForms offers a quick, easy, and secure way to generate, fill out, and distribute forms from the vessel to shore authorities.

The Maritime eForms Solution

- Automate delivery of arrival and departure notices.
- Compliance with US Coast Guard (eNOAD), the West European Tanker.
- Reporting (WETREP) and the Maritime and Port Authority of Singapore; Pre-Arrival Notification of Security (PANS).
- Continuous updates with the latest regulations.
- Use of the most up-to-date form formats.
- Compliance with any MAPI-based email tool.
- Data-entry saving for quick fillings; Free technical support.

ShipSat HTS

The World's Largest High-Throughput Satellite Network (HTS)

Continuous connectivity

Ultimate reliability by combining the L-band and high-speed Ka-band technologies.
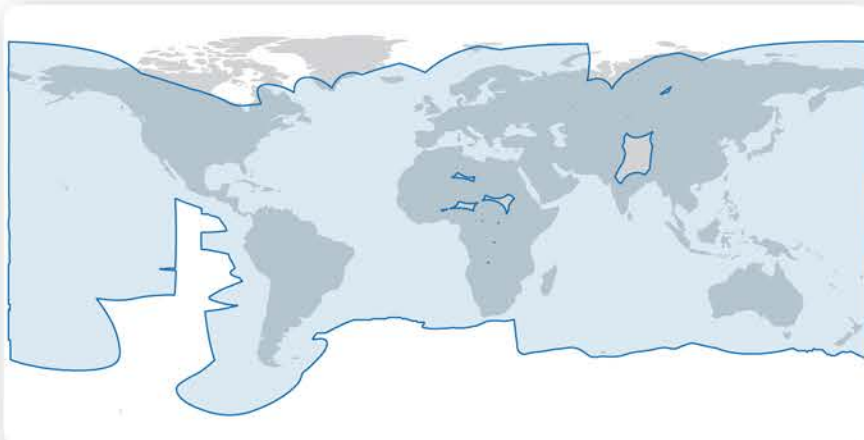
Fleet Xpress

Powered by Intelsat's award-winning FlexMaritime service, ShipSat HTS is designed specifically with global, commercial trade routes in mind.

- Compatible with KU antenna sizes from 60cm and above.

- Flexible, cost-effective packages for regional & global services.

- No fair access policy and bandwidth control.

- Voice service with a dedicated bandwidth pool on top of the assigned bandwidth.

- Fully automated and seamless beam switching.

- ShipSat HTS helps to solve fleet operator challenges, ensuring operational efficiencies, crew connectivity, and compliance to constantly evolving regulatory requirements.

The service provides a uniquely powerful multi-layered coverage integrating Intelsat EpicNG HTS and wide beams brought together into a simplified and unified ecosystem. The HTS coverage and layers of wide beam capacity add resilience and redundancy to the ShipSat HTS service.

Intelsat's multi-layered capacity provides consistent, reliable, and continuous services to the vessel even in the most densely populated shipping lanes.

This multi-layered global coverage means that ships have access to multiple satellites in most places across the globe, greatly reducing and even eliminating blockages from vessel structures or land-based obstructions.

**Fleet Xpress is an award-winning service from Inmarsat**, which combines Ka-band and L-band technologies into a single platform.

It guarantees global coverage featuring constant bandwidth provision at an affordable cost and 24/7 support.

Fleet Xpress serves as the basis for your maritime business to flourish, as it can decisively empower business intelligence and enhance the efficiency of maritime operations. Most importantly, it provides safety and security to the vessel's operations, with the L-band service acting as there is a backup in the rare occurrence of technical problems hitting the high-speed Ka-band systems.
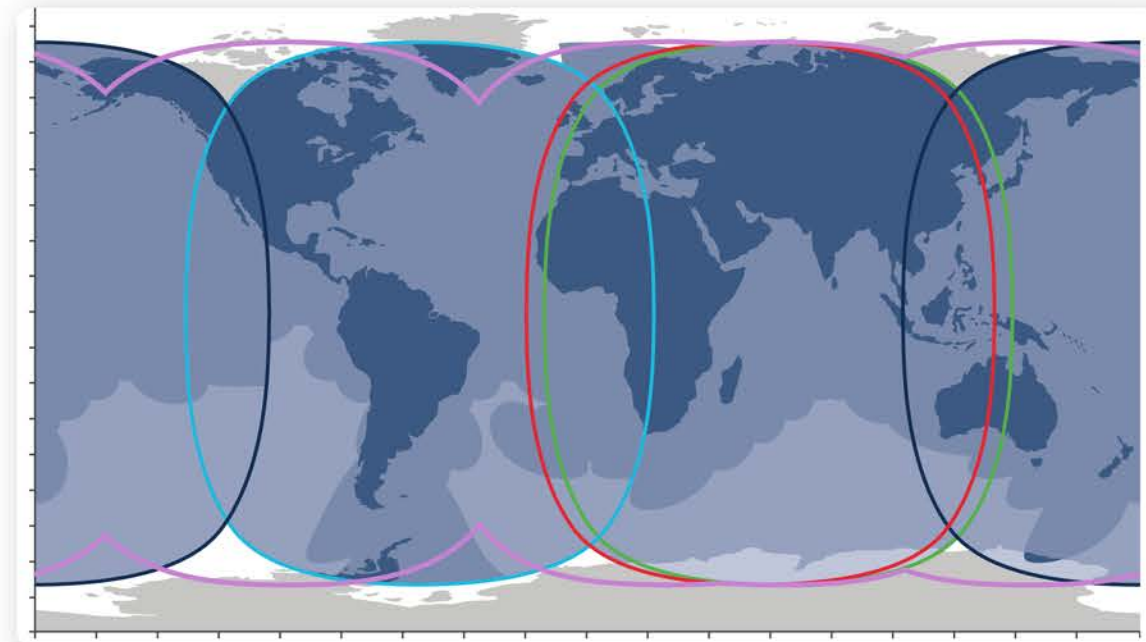
Fleet Broadband

FleetBroadband is Inmarsat's most proven maritime satellite communications service that provides reliable voice and data services through the use of a compact antenna.

It is based on the I-4 satellite system backed up by an extensive ground-based network, resulting in 99.9% network availability. The astounding reliability of the L-band technology makes it ideal as a backup service to the high-speed Fleet Xpress, keeping connections alive and the data flowing back and forth no matter what happens.

Standard IP data & Streaming IP
Always-on data services for internet and email, and guaranteed rates for video conferencing and database syncing.
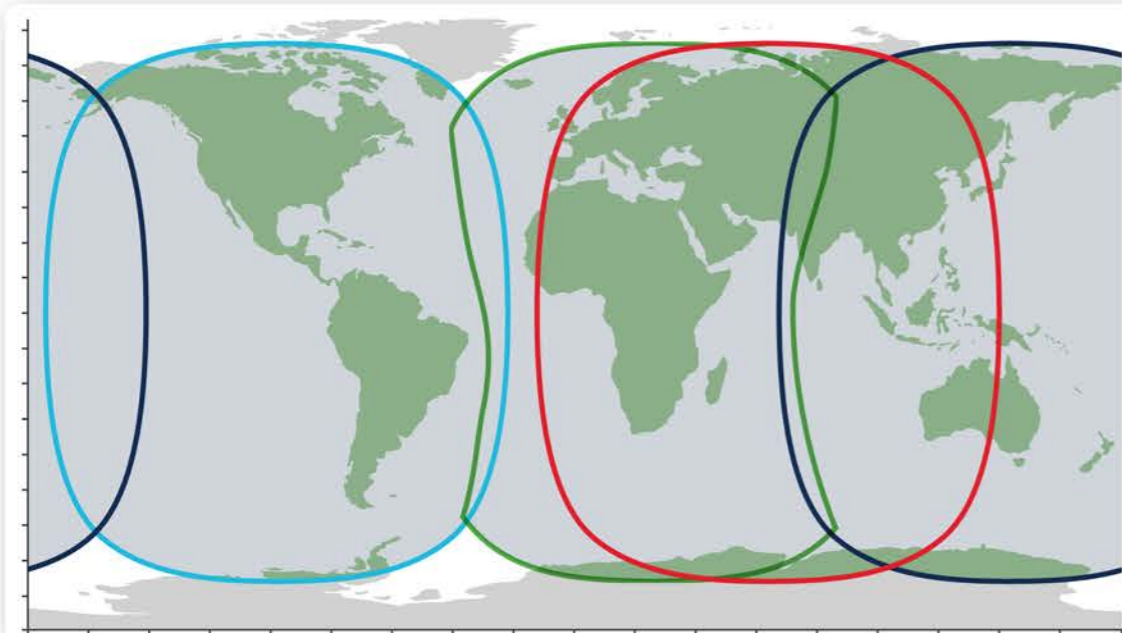
Satellite voice services
Voicemail and various enhanced call management options, with access to up to nine telephone lines and support for multi-voice.

Crew calling & GSM calls
GSM over FB250 and FB500 allows users to make and receive calls, and also to send and receive SMS texts using the pre-paid SIM on their devices.

Fleet One

Broadband connectivity for seasonal fleets

Fleet One was developed to cover less-critical applications so it is customised for fishing, merchant, and leisure vessels. It offers global coverage using five satellite networks with a focus on the coastal regions that are outside the reach of VHF and GSM networks. Its advantage is the low-cost and yet uncompromising connectivity, making it ideal as an entry-level satellite communications system.

It supports voice and IP data to up to 100 kbps, "505" Emergency line calls, Wi-Fi connectivity aboard, and flexible airtime pricing. The compact Fleet One antenna weighs only 2.5kg and is small enough to fit anywhere (27.5 x 22.1 cm).

Fleet One Global
Flexible connectivity for any vessel offered at the same price anywhere in the world. Fleet One Global covers the voice and data needs of a wide range of users, from fishing and regional seafarers to global merchant vessels.

Fleet One Coastal
Recreational sailors and small regional fishing boat operators can access tailored airtime pricing in key coastal regions to keep their costs down while enjoying reliable satellite communications. The service is aimed at occasional users looking to stay connected without having to worry about cellular coverage or network roaming charges.

04. Support Team

Our technical support team is a group of highly qualified software engineers and network professionals who are trained to resolve any technical issue before it escalates into a time-consuming or expensive problem.

We have built our reputation on the prompt support we provide to our customers, which creates a direct link with each vessel's Master ensuring constant communication and helping them run a more efficient ship.

24x7x365 after-sales support from qualified engineers. Everything developed and maintained in-house, with no dependencies on third-parties.

Our team carries out the installation of the systems anywhere in the world, and we also provide a dedicated person 24x7 to support the fleet.

Certified team by SatCom hardware manufacturers including Intellian, Cobham and by satellite operators such as Inmarsat, Intelsat, and CISCO, covering the full spectrum of support for onboard IT & communications.

AVAILABILITY 24 / 7 / 365

05. Global Presence

Sales
sales@wlnet.com

24/7 Support
support@wlnet.com

Customer care

Cyprus:	+357-25-877-565
USA:	+1-202-754-8215
Singapore:	+65-3159-3849

Europe

Cyprus - Limassol
Greece - Athens
Russia - St.Petersburg

Americas

USA - Boston
Argentina - Buenos Aires
Panama - Panama City

Asia

India - Cochin
Singapore

Maritime Satellite Communications Done Right

"We take ownership of edge-to-edge connectivity"

World-Link
communications

www.wlnet.com