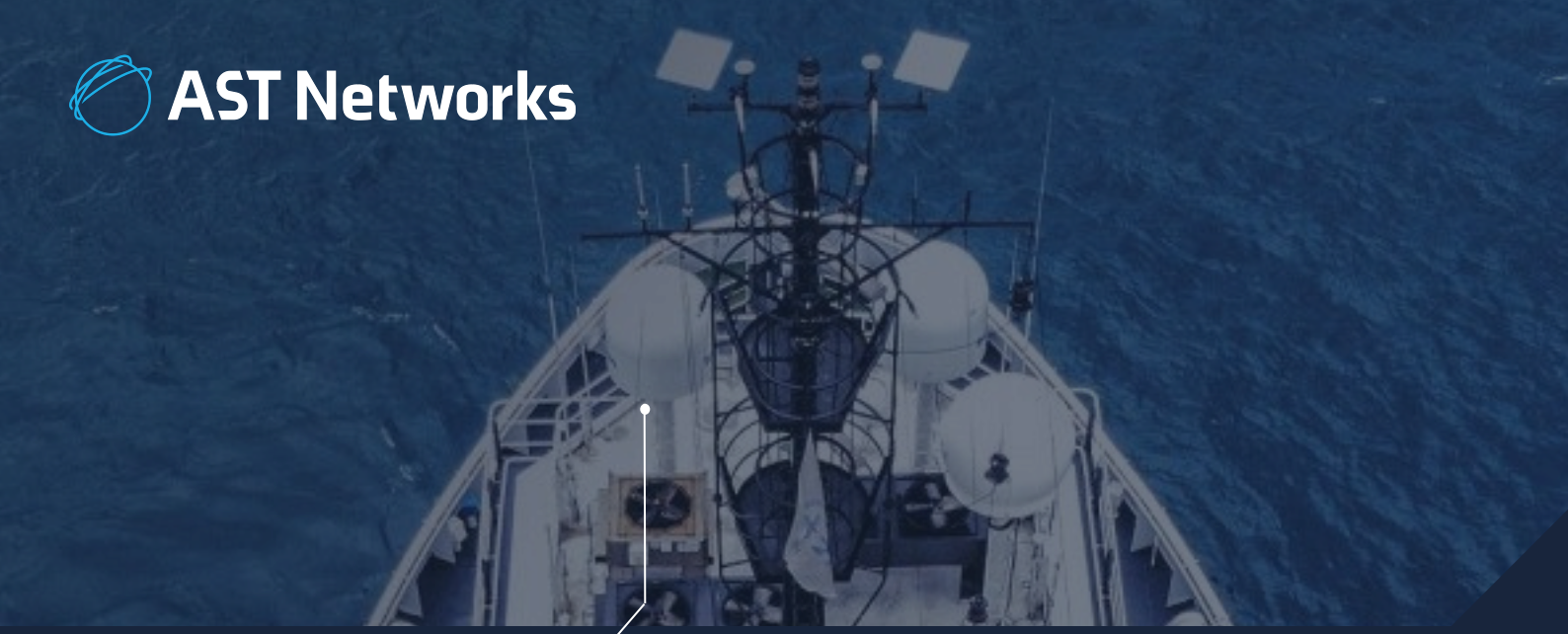
AST Networks



Bundled Maritime Connectivity Solutions

Smarter Maritime Connectivity Starts Here. Maximize Uptime, Minimise Complexity.
Maritime operations depend on always-on, resilient communications. While many operators have adopted modern solutions like LEO networks, these systems alone may not consistently meet the demands of critical operations - especially in regions with limited coverage or during high-traffic periods.

AST Networks Offers Fully Managed, Dual-Orbit Bundled Connectivity Services.
Pairing LEO (like OneWeb or Starlink) with additional LEO, GEO, or LTE/5G to deliver maximum uptime, optimal bandwidth, and a seamless experience. Whether you're using entry-level terminals or high-output Ka-/Ku-band systems, we help integrate technologies to enhance performance and cost efficiency.

What Problems are we Solving?

- If your current network cannot guarantee availability for time-sensitive or critical applications, such as port-entry logs, CCTV streams, ERP synching, or cloud backs-ups, AST helps bridge that gap. Our bundled approach ensures consistent performance and maximised uptime, even in coverage-challenged regions.

- Many vessels today are operating with either a Starlink system, a VSAT antenna, or OneWeb terminals. By combining these with an intelligent bridge, such as dual LEO solutions, or LEO + GEO, we enable consistent CIR with potential to reach MIR levels.

- We take a consultative approach to assess your vessel's operational needs and tailor a custom solution that provides the best availability at the most cost-effective price. Our hybrid solutions can also support fixed public IP addresses and resolve VPN and SD-WAN configuration challenges that often arise when using standalone Starlink services.

Our Approach: Managed, Multi-Orbit Simplicity

- **Bundled Solutions:** Connect Starlink with OneWeb or GEO or LTE/5G. We support flexible configurations tailored to your hardware and operational footprint.
- **Intelligent Traffic Management:** AST Networks LinkBox handles seamless switching between networks, intelligently managing data flow without any user disruption. it also supports cybersecurity best practices - enabling secure access, VPN stability, SD-WAN configurations, fixed public IPs, and network segmentation aligned with new USCG cybersecurity regulation.
- **No Handover Hassles:** Critical data transmission remains uninterrupted across satellite transitions - ideal for vessels that require near-instant responsiveness.
- **Seamless Network Integration at Sea:** We can manage your full onboard network, integrating connectivity into your vessel's digital ecosystem for unified IT performance. We also offer fixed public IP addressing and hybrid routing support for secure remote access and control.

Marine Electronics Services we Offer:

- Bridge Electronics
- Remote Technical Support
- Annual Surveys & Maintenance
- Fully Managed Service Agreements
- Innovative, Integrated Marine Technology Solutions

Bandwidth Where and When You Need It

Band	Availability	Best For
L-Band	99.9%	Mission-critical redundancy, IoT, GNSS backup
Ku-Band	99.5%	Surveillance, compliance reporting, ERP
Ka-Band	~95%	Crew services, large media transfer (paired setup recommended)
5G Coastal	High	Port and harbor performance, crew usage

Ka-band is best used in combination with more resilient networks like ku- or L-band for essential operations.

New: Hybrid Connectivity Options for Maritime Operations

Our focus isn't just one network - we help clients design dual LEO setups (e.g..: Starlink + OneWeb), or hybrid configurations as LEO + GEO, or LEO + LTE/5G.

- Compatible with cost-effective and high performance terminals
- Flexible pairings of Starlink, OneWeb, GEO, VSAT, and LTE/5G
- Tailored to your coverage zones: Gulf, Great Lakes, Atlantic, Pacific, PNW, Inland - or Global, depending on your trade routes
- SLA supported, managed services with traffic prioritization
- Optional crew and IT network management
- VPN-ready infrastructure, fixed IP support, SD-WAN capability

Flexible for Your Setup

Whether you're running Starlink, OneWeb, VSAT, or LTE/5G, AST helps you integrate, optimize, and mange it all. This includes:

- Extending your existing antenna investments
- Dual LEO configurations for redundancy
- LEO + GEO or LEO + LTE/5G combinations for broader coverage
- Full onboard network oversight

Let's Build a Smarter Connection

We'll help you combine networks in a way that improves uptime, efficiency, and cost-effectiveness - wherever your vessel operates.

Contact Us Today

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