



bluewireless

Maritime Connectivity

LTE/5G connectivity solutions for the
maritime industry



Wireless Onboard

Transforming Maritime and nearshore connectivity with LTE/5G

Reliable connectivity is essential in any organisation regardless of where it operates. With more business applications turning to the cloud, internet access needs to be always-on, consistent, and cost-effective whether you are on land or at sea.

What is driving change in the maritime industry?

Changing needs

Post-pandemic response

Restricted operations caused by the pandemic pushed the maritime industry to look for new ways of working to maintain productivity.

Efficiency in operations

Competition happens both in land and sea and the need to improve efficiencies in the maritime industry through better, faster processes is as crucial as for any business.

Crew engagement & health

Maritime crew can be weeks, or even months on board. Good communications with the “outside world”, and even online entertainment on board, helps greatly with people's morale.

Industry trends

Digitalisation

Digital technologies are enabling maritime companies to increase agility on board, perform tasks remotely, allow real-time visibility, management and control.

New applications

Maritime applications for all different functions on board continue to evolve. While most are plugged to the cloud, they require network connectivity to be always-on – especially for mission critical ones.

High-speed crew WiFi

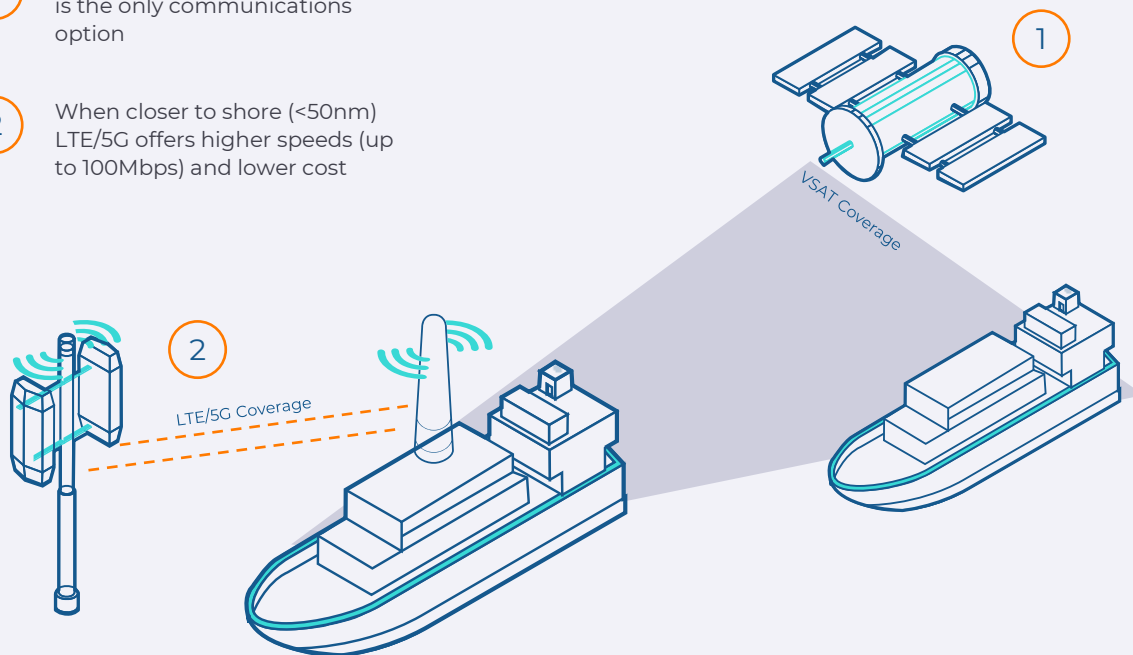
Like in any other industry, maritime businesses are aware of the importance of keeping their workforce healthy and satisfied. High-speed and cost-effective WiFi allows them to browse the internet, stream movies, and communicate with their family and friends.

Why LTE/5G for maritime operations?

While satellite technology continues to be ideal for offshore connectivity, new applications are hungry for bandwidth and can put pressure on existing satellite links and IT budgets. LTE/5G is a faster, more cost-effective alternative.

1 When in the open sea, satellite is the only communications option

2 When closer to shore (<50nm) LTE/5G offers higher speeds (up to 100Mbps) and lower cost



Business Benefits

By taking advantage of LTE/5G technologies, maritime businesses can benefit from:

- Significantly lower data costs
- Higher speeds and increased reliability
- More communications flexibility
- Better reliability for new applications and IoT integration
- Improved crew and passenger WIFI



5G at sea

End-to-end wireless network solution

At Blue Wireless, we remove all complexity across all the required steps: from product selection, staging, and installation to ongoing management and support.



Multiple roaming operators

We offer a range of data plans covering all LTE networks worldwide, and our data pool plans help you reduce costs by sharing allowance across multiple vessels.



Cloud SD-WAN management

All your network devices are controlled centrally with Cradlepoint NetCloud. This enables fleet owners to manage devices, usage, and access remotely without the need for onboard IT staff.



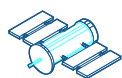
Cradlepoint LTE/5G routers

Powered by our partner, Cradlepoint, our edge devices enable high-speed connectivity and advanced SD-WAN capabilities, ideal for load balancing with satellite or for connecting devices on board. All routers are IP rated to withstand adverse conditions, such as humidity, vibration, and heat.



Poynting maritime antennas

Blue Wireless solution provides you with omnichannel, weather-resistant Poynting antennas for maritime environments, enabling long-range connectivity to cell towers onshore. These include brackets and cabling to ensure reliable connectivity.



Satellite and LTE/5G integration

Blue Wireless integrated solution allows vessel owners to optimise both satellite and LTE/5G traffic from a single platform.

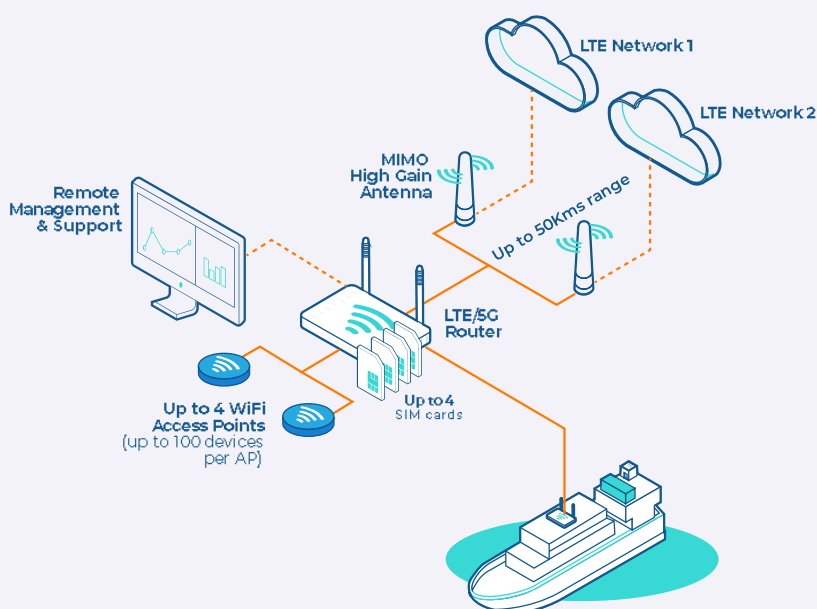


Professional services

By working with Blue Wireless, businesses get the complete package: solution design, hardware staging, testing, and configuration, in addition to our network of field engineers to help deploy and install equipment on board.

Blue Wireless maritime LTE/5G connectivity solutions are customisable, depending on the size of your vessel and/or fleet, international routes, or specific crew requirements.

It can also be stand-alone or integrated with your onboard LAN environment or VSAT WAN connectivity.



Your future is wireless

Why Blue Wireless for the maritime industry?

Hands-on global deployments

To get a fast and "right-first-time" deployment on board, the Blue Wireless team will be there at every stage – from configuration and staging to onboard installation and final handover.

Cloud-based management

All Blue Wireless devices are centrally managed through NetCloud. This means dozens of vessels can be configured and managed in one go with full network management monitoring and visibility by a central network team. Even when disconnected from NetCloud, devices operate independently to offer onboard continuity.

We bring it all together

From ruggedized, IP-rated routers and the best available maritime antennas to providing access to multiple roaming operators and shared data plans – all packaged within a managed service model of design, installation, management, and support

A partner who "knows the ropes"

Blue Wireless has extensive experience implementing LTE/5G solutions on vessels, and we know first-hand the practical complexities of managing all elements to ensure trouble-free implementations, reliable connectivity, and enhanced performance on board.

Success stories



99.99% network uptime for maritime logistics

About: Rocktree offers logistics services using tugboats and barges in the SEA region.

Solution: Blue Wireless provided high-speed internet connectivity with Cradlepoint IBR 900, long-range antennas for connectivity in Indonesian waters, and load-balancing with satellite system, enabling cost savings when nearshore.



Driving Vroon's digital transformation on board

About: Dutch-based company with 120+ vessels providing seagoing transportation services worldwide.

Solution: We delivered an end-to-end wireless solution, including design, procurement, installation, and management for all Vroon's vessels. LTE is allowing Vroon to upgrade their network infrastructure as they bring new applications and services onboard.



A better crew WiFi experience

About: Carnival Corporation is the world's largest travel leisure company, with a fleet of over 100 cruise line vessels.

Solution: Blue Wireless deployed a complete crew WiFi solution using Cradlepoint IBR 1700 dual modem for high-speed. Together with Poynting's long-range antennas and WiFi access points, the solution enables crew WiFi for up to 200 users simultaneously up to 50Km from shore, at a fraction of the cost of satellite.



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Blue Wireless is the first global service provider for wireless connectivity, with a single focus on helping our customers succeed in a wireless world.

We deliver ultra reliable and flexible connectivity solutions where traditional networks struggle branches, stores, remote locations, IoT, and the maritime sector, and we do this by bringing together the latest LTE/5G technologies, built expertise, and hands on team in more than 80 countries worldwide.

Learn more: www.bluewireless.com/maritime