




Fibre-like connectivity at sea

One world, One standard, OneWeb

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70% of the world's surface is covered by oceans. OneWeb's mission is to connect these oceans and herald a new era of smarter shipping.



High-speed connectivity, everywhere - on land, in the air and at sea

One Mission OneWeb's maritime mission is to enable a new era of connectivity by delivering a high-speed, fibre-like experience to the world's oceans and those who sail on them.

OneWeb's Low Earth Orbit (LEO) satellite network will bridge the digital divide by delivering high-speed, low-latency connectivity and 21st century digital solutions to enrich communities and economies everywhere. Unlike existing satellite networks, OneWeb offers connectivity similar to 4G and terrestrial fibre services.

OneWeb brings those hardest to reach online with an offering that is:

- **Simple** to use
- **Flexible** to our customers' needs
- **Responsible** on earth and in space
- **Engineered** to deliver high speeds and low latency always



Intelligent Networks – Our game-changing constellation of 648 LEO satellites will deliver a high throughput, low latency global network that’s as capable of providing connectivity at sea, as it is on land. **New Technology** – We’ve designed a unique suite of connectivity solutions to meet the needs of the present and future to achieve a simple, cost-effective digital transformation. **Strategic Partnerships** – We’re working with public and private sector investors to achieve our vision and establishing a network of like-minded partners to bring our solutions to customers.

A solution for the Maritime connectivity demands

Hyper-connectivity is part of everyday life for many businesses on land, but for those at sea, connectivity remains inconsistent and expensive. OneWeb is setting the standards for the new normal at sea. The maritime industry is experiencing a digital transformation. Accelerating its progress, and maximising its potential relies on a new connectivity experience that performs beyond existing solutions. OneWeb will remove the barriers to progress by introducing truly high speed, reliable and affordable connectivity services. These services and applications will support the use of technology and data to accelerate decarbonisation, transform crew welfare, enable transparency to meet ESG criteria, and unlock efficiencies, safety, and profitability.



Charting a course for ocean-wide connectivity

New standards for maritime connectivity With a usable network capacity of over 1.1Tbps, OneWeb's high-throughput fibre-like global network will transform maritime capabilities, solving complex and dynamic needs across maritime sectors.

Consistent pole to pole coverage OneWeb's truly global services will ensure seamless connectivity wherever a vessel operates. With no borders or barriers and a simple interface, OneWeb will enable the adoption of new, more efficient solutions – even above 60° degrees latitude.

Unmatched low-latency unlocks opportunities Orbiting at only 1200km, our satellites are 30 times closer to Earth than GEO satellites and 8 times closer than those of MEO operators. This low altitude means unmatched <100ms low-latency connectivity to offer vessels, passengers and crew the same tools and experiences as on land. This includes enterprise applications such as Office365, Citrix or Oracle, as well as the real-time Internet-of-Things-driven analytics applications used in environments such as offshore drilling platforms.

No more compromises With OneWeb, maritime businesses' will no longer be constrained by low communications capacity. With OneWeb high-capacity network, the transfer of large data packets, and cloud accessibility, facilitates real time analysis and drives operational transparency. This delivers real value without compromising crew welfare and safety. For many customers, our solution will offer a far superior user-experience with more than ten times as much data as existing satellite solutions and priced competitively in-line with terrestrial 4G.

Flexible, scalable, and agile OneWeb's flexible commercial packages with predictable cost structures allow maritime operators the agility they need to adapt to changing seasonal demands or market conditions, paying only for what they need. Our scalable technology will support future growth without expensive and disruptive hardware upgrades.

Feeling at home with connectivity

Crew welfare is at the heart of OneWeb's Maritime offering. We enable crew members to feel normality when away from home. OneWeb's high-speed connectivity will give crew the opportunity to use their devices as they would on land, without application or speed restrictions. It is a human right to have connectivity and OneWeb are here to set the new standard for maritime.

Easy to deploy, maintain and manage user terminals to suit every budget

Developed with our world-class partners, OneWeb's portfolio of smart user terminals ensure that fibre-like connectivity is as easy to access at sea as it is on land, regardless of the size, or mission of the vessel. All our terminals are designed around user-friendly interfaces with reduced maintenance requirements, ensuring that operators, crew, and passengers can enjoy fibre-like connectivity as quickly, easily, and consistently as possible.

A global network of established partners

OneWeb understands the complexity of the industries we serve, and we're committed to supporting our customers by reducing barriers to digital transformation. We are working with partners across the world to provide tailored solutions for varied operational needs alongside end-to-end support and training on integrating and managing evolving technologies. This network of partners will allow operators to focus on their core business and achieving operational excellence.



Adaptable services for maritime's diverse sectors

OneWeb's constellation of 648 Low Earth Orbit satellites will support the digital needs across a number of key maritime sectors:



Merchant Shipping OneWeb's fibre-like connectivity enables ships to operate as highly functional offices. Our diverse network solutions have been developed for a shipping industry that is digitising. It allows fleet owners to deploy technology to transform their operations, improve performance, reduce costs through vessel optimisation, monitor environmental parameters to decarbonise and meet sustainability goals, and provide equal bandwidths across all channels to ensure crews' productivity and wellbeing. Our reliable global service is also the first with exceptional capacity in the Arctic.



Offshore From FPSOs and OSVs to rigs in shallow and deep waters, our flexible products are ideally suited for offshore operators to enjoy greater operational resilience, maximizing production at lower costs in a highly complex industry. Our low-latency network will allow for real-time automation, live stream video and greater levels of predictive maintenance, without the need for investing in costly fibre infrastructure. This will enable significant levels of offshore operations to be securely led or managed from onshore, thereby reducing operational costs.



Cruise With OneWeb, passengers will have smart device access to their favourite applications – be it gaming, social media, or movie streaming services – as easily at sea or crossing regional waters as they would at home. Our high-throughput network will open multiple avenues onboard, creating a 'city on the sea' enhancing passengers' experiences and improve safety through 24/7 real-time deck and equipment monitoring.



Ferry OneWeb will offer ferry operators an alternative to often-unpredictable terrestrial networks, ensuring uninterrupted high-speed connectivity through a range of affordable plans based on varying operation and vessel sizes. Our intelligent terminal solution with high look angles will ensure passengers can stay connected throughout their journey.



Leisure OneWeb's service will offer users of vessels large and small the same high-speed and high-quality connectivity throughout their entire journey, whether along the coast or mid-ocean. With OneWeb, owners will have the luxury of activating plans on demand, instantaneously providing seasonal connectivity options based on usage to eliminate unexpected costs.



Super Yacht Our solutions will give customers the freedom to sail the oceans, with the guarantee of high performance, reliable and affordable connectivity for all needs, at all times, in all regions. OneWeb's robust network will allow owners to securely perform their business activities as usual onboard, while our sophisticated service can meet varying bandwidth demands for all leisure and operational needs – for both passengers and crew.



Commercial Fishing OneWeb will offer both fishing fleets and individual vessels the superior connectivity, currently accessible only to larger vessels. Meeting their data needs such as tracking catches, reporting activity and submitting operational and regulatory data. With OneWeb, fishing fleets can meet their rising demands safely, securely, and sustainably.



Unique network architecture

Our network has been developed specifically to enable robust, resilient, and global connectivity for real-time applications across the whole maritime industry.

Satellites Our satellites are manufactured by OneWeb Satellites – a joint venture between OneWeb and Airbus Defence and Space, in an industrial-scale high-volume production facility in Florida, USA. This is the first manufacturing facility of its kind to employ high- volume production techniques, enabling dramatically reduced costs and production times in comparison to MEO and GEO satellite manufacturing, allowing the delivery of up to two satellites per day.

Constellation A constellation of 648 LEO satellites with in-built redundancy and in-orbit spares designed to provide a resilient and sustainable network through seamless satellite handoffs.

Security We are committed to ensuring security across all layers of the OneWeb network. Security measures are therefore embedded within our system designs and engineering, putting security at the foundations of our access spectrum.



Our model – unparalleled service, terrestrial prices

Although a satellite communications company, OneWeb's performance and cost are based on terrestrial services.

OneWeb's satellite communications plan is modelled on that of 4G mobile data plans, rather than high-cost satellite plans. Selling data in monthly subscriptions, priced in US Dollars or Pound Sterling, and offering SLA on GB delivery guarantee per day. This is unique in the industry and a reflection of how fast our service is.

Our monthly subscriptions are per vessel and per connectivity product, with customers able to fine tune their package by speed, priority, and GB per month. And service connectivity comes via OneWeb terminal hardware available from Intellian, our approved OEM supplier. This approach keeps our subscription models not just competitively priced, but **simple, flexible**, and fit for **purpose**.



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