



## Press release

Paris, 18<sup>th</sup> October 2023.

# Orange announces the launch of the AMITIE subsea cable, offering a unique and robust transatlantic solution with ultra-low latency

**Orange offers fully resilient global connectivity capability along the world's busiest route; using two state-of-art subsea mega cables connecting France and the United States.**

Orange is announcing that a new transatlantic route on the "AMITIE" mega submarine telecommunications cable is now ready for service. After almost four years of work between the two continents and the completion of validation tests, the cable offers a fully secure solution to complement the other mega-cable (Dunant) launched in January 2021.

### A unique, high-performance, and robust solution on the transatlantic route

With a total length of 6,800 km and 16 fiber pairs, and a maximum capacity of 400 Tbps, AMITIE will connect Lynn near Boston (USA), Le Porge near Bordeaux (France) and Bude (England). Orange will benefit from two pairs of optical fibers on this new system, guaranteeing resilience and continuity of traffic on the transatlantic route, which is key for global Internet connectivity. With traffic continuing to grow strongly to support the rise in digital uses, particularly those of content providers, the North America / Europe route is one of the densest on the planet in terms of connectivity. According to Telegeography, it uses "571 Tbps of international bandwidth. It is twice as busy as the transpacific route and the second busiest in the world." (*Source TeleGeography's Transport Networks - Transatlantic 2023*)

Orange reaffirms its key role in connecting the transatlantic route by offering connectivity solutions from New York or Ashburn in the US to Europe using a fully resilient terrestrial connectivity solution in France. Although both join the US to France, the Dunant and AMITIE cables have separate routes, avoiding any risk of traffic interruption on this strategic axis. Their respective latencies of 38ms (Ashburn - Paris) for Dunant and 34ms (Bordeaux - New York) for AMITIE ensure excellent quality of experience and service..

These two mega cables have been designed to keep pace with future generations of optical transmission technologies and will be able to maintain a high level of performance for the next 20 years.

### Direct access to global connectivity hotspots

In France, Orange oversees the French part of the cable, and is in charge of operating and maintaining the system's landing station. It provides all AMITIE cable partners with the terrestrial infrastructure required for its smooth operation, from the limit of French territorial waters to the new Equinix datacenter based in Bordeaux.

Orange also offers its wholesale and enterprise customers connectivity from the USA to European hotspots, thanks to the capillarity of its European network. By relying on its extended terrestrial network starting in Bordeaux, Orange can connect the rest of Europe and notably the main European hubs (Paris, Frankfurt, Madrid, Amsterdam and London) via different secured routes, either with dark



fiber, or via its cutting-edge WDM optical transmission network. The routes between Bordeaux and Marseille have also been reinforced to offer the most direct and efficient solution to link Africa, the Middle East and Asia to the United States.

### **An environmentally friendly project**

From its study phase to its construction, the AMITIE cable integrated the highest standards in terms of environmental protection. The choice of landing site and infrastructure was made to avoid the most sensitive zones and using the least invasive technologies.

In France, the infrastructure is mostly underground and completely integrated into the landscape. For example, horizontal directional drilling was chosen, to go under the forest, dunes and beach, avoiding any impact on flora and fauna.

The cable in French territorial waters and beyond is also buried in the seabed to avoid any conflict with fishing activity.

Finally, by deploying the latest optical fiber and transmission technologies, the energy cost per megabit transported is significantly reduced.

"Thanks to the combination of these two mega submarine cables: AMITIE and Dunant, Orange puts France at the heart of intercontinental exchanges, between Europe and the United States, as well as to Asia and Africa, by offering high-performance, fully secure international connectivity to its wholesale and enterprise customers. In this way, Orange continues to be a major player in the global market, developing its infrastructures to connect France to other continents in a totally secure and environmentally friendly way", explains Jean-Louis Le Roux, Director of International Networks and Services at Orange.

### **About Orange**

Orange is one of the world's leading telecommunications operators with revenues of 43.5 billion euros in 2022 and 136,000 employees worldwide at 30 June 2023, including 74,000 employees in France. The Group has a total customer base of 291 million customers worldwide at 30 June 2023, including 246 million mobile customers and 24 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies under the brand Orange Business. In February 2023, the Group presented its strategic plan "Lead the Future", built on a new business model and guided by responsibility and efficiency. "Lead the Future" capitalizes on network excellence to reinforce Orange's leadership in service quality.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

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