

Your connection across the Atlantic

Our twin cables

The future is exciting.
Ready?



Apollo Submarine Cable System – two high-capacity transatlantic cables from the USA to Europe

13,000 km of excellence

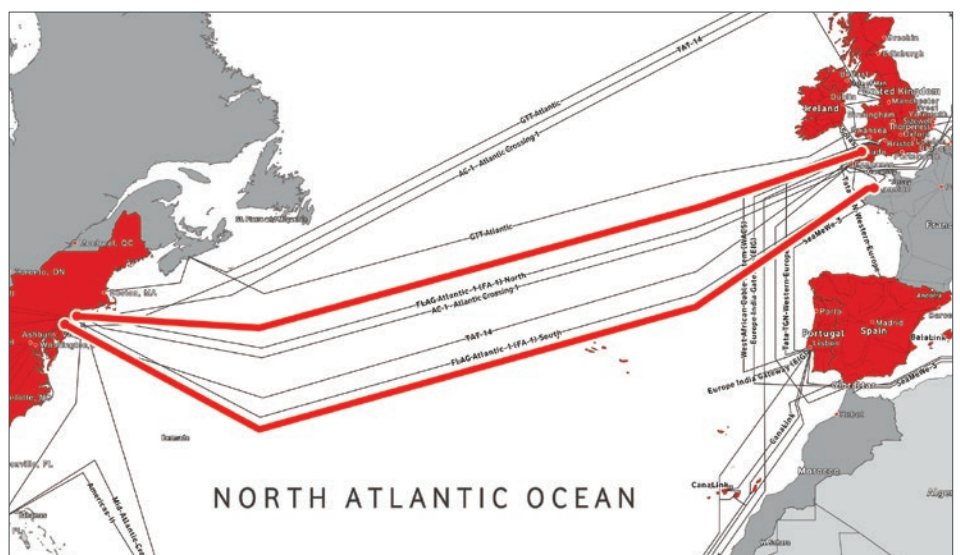
Fast, reliable and secure communications have a marked impact on both our business and social lives, with our reliance on this being felt, mainly when we have an outage. Undersea fibre optic cables connect most of the world's people, businesses and institutions. Lying on ocean floors, these submarine cable systems carry the vast majority of our international communications and data. Together, they form the backbone for the data centres powering the World Wide Web. This is the safest, fastest and most reliable form of providing communications in the world.

Apollo is a 13,000 km optical submarine communications cable system crossing the Atlantic Ocean. Vodafone's Apollo Submarine Cable System consists of two advanced transatlantic fibre optic cables. Apollo North connects the United Kingdom and the USA while Apollo South directly connects France and the USA.

Apollo was ready for service in February 2003, and the deployment of 100G coherent technology has significantly increased the available capacity on the Apollo system to be 8 Tbps per fibre pair on both the northern and southern segments. Apollo is one of the high-capacity Atlantic system cables and has an unparalleled track record of reliability.

Apollo's list of customers include the world's leading telecommunications and internet companies, and the number of companies taking advantage of Apollo's first-class network architecture continues to grow. Apollo offers point-to-point 10Gbit/s and 100Gbit/s wavelengths between the major cities and carrier PoPs (Point of Presence) on the East Coast of the US and Western Europe, but lower capacities are also available, if needed.

The Apollo Submarine Cable System is 100% owned by Vodafone, which is one of the world's leading telecommunications groups, with a significant presence in the Americas, Europe, the Middle East, Africa and Asia-Pacific through the company's subsidiary undertakings, joint ventures, associated undertakings and investments.



America and Europe – seamlessly connected

With two separate submarine legs, Apollo has a fully diverse topology providing discrete routing. Additionally, the unique position of Apollo's southern leg provides variety from the more congested routes between London and New York, enhancing choice and security.

This architecture was implemented to support Apollo's customers in the creation of their very high availability networks. Apollo operates four cable stations in three countries, one in the United Kingdom, one in France and two in the United States. This design maximises the route separation of the Apollo Submarine Cable System, giving Apollo's customers the security of full diversity.

City	Location
Washington DC	<ul style="list-style-type: none"> 2100 M Street Equinix Ashburn
New York	<ul style="list-style-type: none"> 111/8th Avenue NY 60 Hudson Street 165 Halsey, New Jersey
Paris	<ul style="list-style-type: none"> Telehouse 1/2/3 SFR Netcenter Equinix PA2/3 Interxion 1/5 Global Switch
London	<ul style="list-style-type: none"> Telehouse West Equinix LD5 Equinix LD8 Global Switch Digital Realty
Dublin	<ul style="list-style-type: none"> Equinix DB1 (WIP)
Amsterdam	<ul style="list-style-type: none"> Equinix 3 Equinix 7 Geesinkweg Digital Realty
Frankfurt	<ul style="list-style-type: none"> Equinix 5 Interxion
Marseille	<ul style="list-style-type: none"> IX1
Milan	<ul style="list-style-type: none"> Via Caldera
Zurich	<ul style="list-style-type: none"> Equinix 2

There are a number of reasons for the exceptional performance history of the Apollo Submarine Cable System, including:

- Apollo was built to the highest specifications using leading edge installation techniques
- The strongest cable design in existence, Special Purpose Double Armour cable, was deployed in the areas where the risk of cable break was considered the highest
- Due to the initial high capacity design and excellent fault history, Apollo is well placed to take advantage of the new technology as it becomes available

Transatlantic twin cables

We can deliver to a number of European carrier hotels on the Vodafone European network, including Frankfurt, Amsterdam etc.

Apollo is wholly dedicated to providing transatlantic wavelength products:

- 10Gbit/s SDH, WAN PHY and LAN PHY services
- 100GigE and OTU-4 services
- Access Points:
- City PoP to City PoP
- Cable Station access and co-location

Apollo makes capacity available to customers through a variety of commercial models, such as:

- Leases
- Capitalised Leases
- IRU

Co-location at Apollo's landing stations

Apollo's landing stations are highly specified telecom buildings, all newly built at the time of the company's creation. They provide first class space, power, security and first line support and are well provided with backhaul networks.

A number of customers have used Apollo landing stations to install their own network equipment enabling them to manage their own terrestrial backhaul.

Both the EIG and Glo1 cable systems share the Apollo North UK Cable Station. This allows seamless, economic and efficient interconnection between cable systems thereby avoiding unnecessary backhaul cost, latency and risk.

The Apollo cable can effortlessly extend capacity from Europe, Africa and Asia to North America.

Why Vodafone Carrier Services?

- Global reach and scale
- Over 1 million km of network including terrestrial and undersea
- 800 international PoPs across 150 countries
- Partnerships with all the top tier carriers
- Capacity on 73 cable systems, including 25 major international submarine cables

Next steps

To discover more about how Vodafone Apollo Submarine Cable System can grow your business and extend your reach, please contact your Account Manager or get in touch at: carrierservices@vodafone.com

For more information, please visit: www.vodafone.com/business/carrier-services

Vodafone Group 2019. This document is issued by Vodafone in confidence and is not to be reproduced in whole or in part without the express, prior written permission of Vodafone. Vodafone and the Vodafone logos are trademarks of the Vodafone Group. Other product and company names mentioned herein may be the trademark of their respective owners.

The information contained in this publication is correct at the time of going to print. Any reliance on the information shall be at the recipient's risk. No member of the Vodafone Group shall have any liability in respect of the use made of the information. The information may be subject to change. Services may be modified, supplemented or withdrawn by Vodafone without prior notice. All services are subject to terms and conditions, copies of which may be provided on request.

The future is exciting.
Ready?

