

Where does the Asia-Europe optical cable belong

Article Overview

The Asia-Europe Optical Cable, known as AAE-1, is a 25,000 km submarine fibre-optic system connecting Southeast Asia to Europe, providing high-capacity international internet connectivity.

Overview

The Asia-Africa-Europe 1 (AAE-1) cable is a major submarine communications system that links Hong Kong, Vietnam, Cambodia, Malaysia, Singapore, Thailand, Myanmar, India, Pakistan, Oman, UAE, Qatar, Yemen, Djibouti, Saudi Arabia, Egypt, Greece, Italy, and France . Launched for commercial service in June 2017, it was one of the longest submarine cables in the world at the time . The cable is designed to support the growing broadband and data traffic between Asia, Africa, and Europe.

Technical Specifications

- o Length: 25,000 km
- o Fibre Pairs: 5
- o Design Capacity: Initially 40 Tbit/s, upgraded to over 100 Tbit/s in 2022 using Infinera ICE6 800G technology
- o Landing Stations: Includes major hubs such as Telecom House in Hong Kong, Equinix in Singapore, and Interxion in France
- o Consortium: Over 17 carriers, including China Unicom, Reliance Jio, Telecom Egypt, Viettel, and others

Route and Geography

AAE-1 spans the Indian Ocean, Red Sea, and Mediterranean, with Egyptian landings at Zafarana (Red Sea) and Abu Talat (Mediterranean), bypassing the Suez Canal via terrestrial crossings . The cable connects multiple countries through 20 landing stations, providing redundancy and high availability for international data traffic .

Significance

Submarine cables like AAE-1 carry the vast majority of intercontinental internet traffic, supporting cloud services, streaming, and global communications . AAE-1 enhances connectivity between Asia and Europe, reduces latency, and provides a high-capacity backbone for enterprises, carriers, and cloud providers. Its upgrades ensure it remains competitive in handling modern data demands, including AI workloads and high-speed internet services .

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Additional Notes

AAE-1 is part of a broader network of Asia-Europe submarine and terrestrial links, complementing other systems like TRANSKZ, which provides a terrestrial DWDM route between Hong Kong and Frankfurt with low latency and high reliability. Together, these networks form the backbone of global internet infrastructure, ensuring resilient, high-speed connectivity across continents.

Explore the physical backbone of the internet with our interactive map of undersea fiber optic cables, peering exchange points, and

FLAG Europe Asia (now FEA), originally called Fibre-optic Link Around the Globe (FLAG), is a 28,000km submarine cable

FLAG Europe-Asia (FEA) is one of the world's most well-known long-haul submarine cable systems, connecting Europe with Asia

China Unicom officially announced today the construction of the Asia-Africa-Europe 1 (AAE-1) submarine cable

FLAG Europe-Asia (FEA) is a 28,000 km submarine cable system connecting the United Kingdom and Japan through

OUR TEAS - TRANS EUROPE ASIA SYSTEM NETWORK OFFERS THE MOST DIVERSE AND

The route of the submarine cable (red); the blue segment is dy 1 6 South East Asia-Middle East-Western Europe 4 (SEA-ME-WE 4)

The AAE-2 subsea cable will enhance global internet resilience, unlock new digital growth opportunities across

FLAG Europe-Asia (FEA) submarine cable, 28,000 km, Ready for Service in 1997. Owned by FLAG. GeoCables

Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 mi; 15,119 nmi) fibre optic mostly-

The Asia-Africa-Europe-1 (AAE-1) Consortium has launched commercial services on the 25,000-km AAE-1 submarine cable system,

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The cable provides high-capacity international communications infrastructure and serves as an important route linking major

Israel will build a 254-kilometre (158 mile) fibre-optic cable between the Mediterranean and Red Sea, creating a

In a move set to redefine global digital connectivity, a consortium of four leading subsea cable operators--PCCW

Image source: Submarine Cable Networks Cinturion Corp, Ltd. has recently announced a partnership with the

The AAE-2 cable will link Hong Kong and Singapore to Italy through terrestrial corridors in Thailand, the Arabian

Web: <https://www.in-au.co.za>

