

North Africa Connectivity Optical Cable Project



Summary of Content

The Medusa Submarine Cable System is an 8,700 km high-capacity subsea fibre-optic network connecting North Africa with southern Europe, designed to enhance digital connectivity, support 5G, and drive regional economic growth.

Overview

The Medusa Submarine Cable System is a transformative infrastructure project aimed at bridging the digital divide between Europe and North Africa. Owned by AFR-IX Telecom and powered by Nokia, the cable connects countries including Morocco, Algeria, Tunisia, Libya, and Egypt with southern European nations such as Spain, France, Italy, Portugal, and Cyprus via the Mediterranean Sea. The system is designed as an open-access network, allowing multiple telecom providers to leverage its high-capacity links.

Technical Specifications

- Length: Approximately 8,700 km
- Platform: Nokia 1830 GX Series with ICE7 coherent optics
- Capacity: Tens of terabits per second per fiber pair
- Features: Low-latency, high-capacity, energy-efficient transmission
- Applications: Supports 5G rollout, cloud infrastructure expansion, AI-driven services, and future bandwidth-intensive technologies

Timeline and Deployment

Article Content

A Look at \$395 Million Medusa Submarine Cable Linking Europe to

The Medusa submarine cable project boasts a total investment of €342 million. The cable project is partly funded by

Via Africa subsea cable project to strengthen European, African ...

Europe-Africa submarine cable project backed by consortium model designed to connect Europe to Africa along the

Connecting Beijing's global infrastructure: The PEACE

One of the most ambitious elements of the DSR is the Pakistan & East Africa Connecting Europe (PEACE)

Nokia to Power Medusa Submarine Cable Linking Europe and North Africa

Nokia has announced that it will power the Medusa Submarine Cable System, a project owned by AFR-IX Telecom .

Nokia To Bridge North Africa-Europe Digital Divide With Undersea Cable

A new digital highway is taking shape beneath the Mediterranean Sea, one that will physically connect North Africa to

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At Bayobab, our mission is to enable Africa with state-of-the-art technology solutions. We proudly deliver world-class digital

Oceans of Data: The Subsea Cable Projects That

Together, these projects underscored the importance of redundancy, climate resilience, and

Medusa Optical Fibre Cable

The project will install a 7,100 km state-of-the-art submarine optical fibre cable in the Mediterranean to connect Northern African

2Africa: a transformative subsea cable for future internet connectivity ...

The 2Africa cable has been designed to improve resilience and maximise performance, including the option of a

Nokia selected for Medusa Submarine Cable System to bring new ...

The Medusa subsea cable is a significant step toward closing the digital divide between Europe and North Africa, connecting

Nokia selected for Medusa to bring new connectivity across Europe

Nokia will power the Medusa submarine cable system, connecting Europe and North Africa with high-capacity, low

Africa50 and Bayobab in partnership to develop pan-African terrestrial ...

Casablanca, Johannesburg, 15 May 2023 - Bayobab and Africa50 on Monday signed a partnership to develop

Europe-North Africa Medusa subsea cable to be powered by Nokia

The Medusa Submarine Cable System, a project owned by Barcelona based African internet exchange point company

It takes two: North Africa-Europe interconnectors could deliver 24 GW ...

North Africa's renewable energy potential aligns well with Europe's goal of reducing reliance on Russian natural gas. The region's

Nokia Powers Medusa Subsea Cable to Boost Europe

The Medusa subsea cable is a new transformative, open-access infrastructure connecting

Medusa cable begins Mediterranean expansion with Marseille landing

News The Medusa submarine fiber optic cable system, owned by AFR-IX Telecom, has achieved a significant

€100 The EurAfrica Gateway Cable, connecting the EU with milli

Regional Fibre Optic Backbones The Global Gateway Africa-Europe Investment Package will scale up regional connectivity and

Niger takes a major step towards high-speed connectivity with

The project has two major components: first, the construction of a 1,031-km national and cross-border fibre-optic network; and

Fiber-optic leap bridges African digital divide

One of the projects is called Umoja — named after the Swahili word for unity — and aims to be the first ever fiber-optic

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This major investment will complete our existing submarine and pan-African terrestrial infrastructures to provide access to

Announcing the Completion of the Core 2Africa System:

It is the first 16-fiber-pair subsea cable to fully connect Africa. We incorporated undersea

Investing in connectivity and growth for Africa | Google Cloud Blog

Google is investing in the new Umoja fiber optic route between Africa and Australia, as well as training and

World's longest subsea cable completed: Meta's 2Africa set to ...

Meta and its consortium partners have completed the core 2Africa subsea cable system, marking a major milestone

Inside Medusa's submarine cable project: a bridge between Africa and ...

The EUMEDplus project is closely linked to the Medusa submarine cable initiative, serving as a strategic enabler that

Medusa Cable: Digital infrastructure and geopolitics in the ...

The strengthening of the submarine cable connection between European and North African countries is expected to generate

A Look at \$395 Million Medusa Submarine Cable Linking Europe to

Once complete, it is designed to create a new data corridor between Europe, North Africa, and Sub-Saharan Africa.

Contact Us

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