

Algeria Optical Cable Project



AI Overview

The Medusa submarine fiber-optic cable will position Algeria as a key digital hub connecting Europe and Africa, with full operational capacity expected by the end of 2026.

Project Overview The Medusa project is a major submarine fiber-optic initiative spanning over 8,700 kilometers, connecting more than a dozen Mediterranean countries, including Algeria, France, Italy, Portugal, Spain, Cyprus, and Egypt . Developed by AFR-IX Telecom and manufactured by Alcatel Submarine Networks, the project represents one of the most ambitious and capital-intensive telecommunications undertakings in the Euro-Mediterranean region, with an estimated investment of EUR 342 million .

Technical Specifications

- Fiber Pairs: 24 per segment
- Throughput per Fiber Pair: 20 Tbps
- Total System Capacity: 480 Tbps, sufficient to handle approximately 100 million simultaneous HD video streams
- Connectivity: Links Algeria's landing stations in Algiers and Collo (Skikda) directly to major Southern European stations, enhancing network independence and security
- University and Research Integration: Provides 200 Gbps connectivity to over 500 universities and research centers in Algeria, Egypt, Morocco, and Tunisia for the next 20 years

Strategic Importance The Medusa cable is a critical infrastructure project for Algeria's digital transformation:

- Regional Digital Hub:** Positions Algeria as a bridge between Europe and Africa, enhancing its role in regional connectivity
- Bandwidth Expansion:** Offers a 48x increase in bandwidth, enabling faster internet, improved cloud services, and robust disaster recovery solutions
- Support for 5G and Cloud Computing:** Facilitates the rollout of 5G networks and accelerates cloud adoption across public and private sectors
- Economic Opportunities:** Opens new markets for ISPs, data centers, and SMEs, while encouraging international partnerships and technological investments

Timeline and Implementation

Project Launch: 2020

Construction Phase: 2023–2026, with manufacturing and deployment in phase...

Article Content

Algeria Enters a New Digital Era with the Medusa

Algiers – October 2025 – Algeria has taken a major leap forward in its digital transformation with the official launch of the Medusa submarine fiber-optic cable, Roll-out of fibre optic cabling bolstering internet access and speeds ...

In June 2015 Feraoun said that the government was considering a project to launch the production of fibre optic cable in Algeria, which would allow it to reduce foreign currency outlays on imported

Transsaharan Fibre Optic Backbone

The project of Trans-Sahara Optical Fibre Backbone is included within the “New Partnership for Africa's Development” (NEPAD). It links six countries: Algeria, Niger, Nigeria, Chad, Mali and Mauritania.

Algeria Targets Nationwide Fiber Optic Coverage by Early 2027

Algeria is aiming to achieve full nationwide fiber optic coverage by early 2027 as the country accelerates efforts to modernize digital infrastructure and expand high-speed connectivity

Algeria to Replace All Copper Cables with Fiber Optics by Early 2027

Minister of Post and Telecommunications, Sid Ali Zerrouki, announced on Saturday, May 16, 2026, in Algiers, that all old copper cables will be replaced with fiber optic cables by the end of

Algeria Makes Its Own Fiber: The Sovereignty Play

Algeria's FTTH rollout consumed substantial volumes of imported cable in its first phase. At 3 million connected households, the program

Algeria to Boost Internet Speeds with New Submarine

Algeria is set to significantly enhance its international connectivity as the foundation stone for a new submarine cable linking the country to global

Trans-saharan fiber optic backbone

The “Trans-Saharan fiber optic backbone” project is a part of the initiative of the new partnership for the development of Africa “NEPAD” linking six countries: Algeria, Niger, Nigeria, Chad, Mali and Mauritania.

Algeria Progresses On New Submarine Cable Project

Algeria Progresses On New Submarine Cable Connectivity Project By Paul Adepoju, IT Web Africa April 25, 2018 The government of Algeria has announced plans to connect the North

Algeria's Optical Fiber Cables Market Report 2026

Algeria's market for optical fiber cables is characterized by a significant reliance on imports to meet domestic demand. From 2020 to 2024, the country's import supply was

The Medusa Submarine Cable: How a EUR 342 Million

The EUR 342M Medusa submarine cable lands in Algeria in 2026, adding 480 Tbps capacity across 8,700 km of Mediterranean fiber linking Europe

Trans-Saharan optical fiber backbone: Algeria depl... | Algeria Invest

Despite its significant progress ahead of other involved countries, with the completion of deploying nearly 2600 km of optical fiber, Algeria reaffirms its commitment to closely collaborate with its

COMPANY PROFILE

COMPANY PROFILE CATEL - Telecommunications Cables Of Algeria industrial company specialized in copper and fiber optic telecommunications cables. The company's aim is to provide durable and

Nokia selected for Medusa Submarine Cable System to

Nokia today announced that it will power the Medusa Submarine Cable System, a project owned by AFR-IX Telecom. The groundbreaking and new subsea fiber

Algeria Announces New Undersea Cable Link to Meet Soaring Data

Algeria plans to connect to a new undersea fibre-optic cable to boost internet speeds, Post and Telecommunications Minister Sid Ali Zerrouki said on Monday in an interview with Algerian Radio.

Algeria to Replace All Copper Cables with Fiber Optics by Early 2027

By 2024, over 50,000 kilometers of fiber optic cables had been deployed across the country, connecting major cities and industrial zones. This initiative led to a 30% increase in

Algeria Telecom Taps Local Firms for Fiber Network Expansion

- Algeria Telecom partners with ANGEM to deploy fiber using local microenterprises • Microcredit-backed firms will handle cabling, trenching, and maintenance tasks • Initiative aims to improve

Medusa Subsea Cable to Boost Algeria's Connectivity by 2026

El Kala, Algeria - The Medusa subsea fiber optic cable project is slated to become operational in El Kala, Skikda province, by the end of 2026. This strategic initiative aims to

Algeria Fibre Optic Cables Market | Share, Size & Volume 2031

The Algeria Fibre Optic Cables Market has been driven by the increasing demand for high-speed internet across the country.

Algeria's Evolving Telecom Landscape

Connectivity Growth: The growth in fixed broadband revenue has been attributed to investments in submarine fiber optic cable deployment to

Algeria Enters a New Digital Era with the Launch of the

Algeria has officially entered a new phase in its digital transformation with the inauguration of the Medusa submarine fiber-optic cable, a landmark

Algeria EIB negotiates with Algiers to kick-start stalled Medusa ...

The European Investment Bank (EIB) is in talks with the Algerian authorities to get the Medusa project back on track. The submarine fibre optic cable system, due to come into service in

Algeria's Fiber Optic Home Connections Surge to 1.5

Algeria has seen a remarkable growth of 2,730% in fibre optic home (FTTH) connections, reaching 1.5 million subscribers since November 2020. The

Algeria Doubles International Bandwidth Capacity and

Key Achievements: Fiber Optic Backbone Project: Algeria has completed a 2,600 km segment of fiber optics, part of the Trans-Saharan Fiber

Trans-Saharan Optic Fibre Broadband Project

Additionally, this project aims to deploy a high-capacity terrestrial fiber optic corridor across the Sahara Desert, connecting Algeria, Niger, Chad, and Nigeria. It is part of a regional digital transformation

Algeria plans new submarine cable to boost internet speeds and capacity

Algeria is set to connect to a new submarine fibre optic cable to enhance internet speeds across the country. The project was announced on December 15 by Sid Ali Zerrouki, Minister of Post

Fiber Optic Installation Process 2026 Guide | ZION

Fiber Optic Installation Process: Complete 2026 Guide A practical, engineer-friendly guide to planning, installing, testing, and maintaining modern

Construction of Medusa subsea cable commences

Construction will be done by ASN and Elettra Tlc and will see an 8,700km 24-pair fiber optic cable offering 20Tbps of capacity per fiber pair

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://shangases.co.za>

Email: ekomedsolar@gmail.com

Phone: +86 13816583346

Address: No. 26 Heshun Middle Road, Economic Development Zone, Hai'an City, Jiangsu Province, China

This document is for informational purposes only. Specifications subject to change without notice.

