

Fiber Optic Displacement in Africa



Overview

The Africa Broadband Outlook 2024, published by the African Telecommunications Union (ATU) and Africa Analysis, reported that on a continent spanning 30 million square kilometers, Africa had 2,130,506 km of operational terrestrial fiber. Though tech giants have invested heavily in high-performance digital infrastructure — more cell towers, faster networks — Africans across the continent still grapple with sluggish internet speeds and expensive data. Tech companies such as Google and Facebook parent Meta are investing in new data. Workers haul part of a fibre optic cable onto the shore at the Kenyan port town of Mombasa. While submarine communications cables are used to connect countries and continents to the Internet, terrestrial fibre optic cables are used to extend this connectivity to landlocked countries or to urban centers within a country. In Africa, where vast distances and challenging geographies have long hindered infrastructure development, fiber offers a resilient and high-capacity alternative to legacy systems. Yet the continent faces a paradox: while it now has ample international bandwidth, its domestic and urban networks remain underdeveloped. Strengthening governance, investment, and,



Article Content

Terrestrial Fibre Connectivity in Africa: Bridging the ...

Africa's digital transformation has been significantly bolstered by the expansion of both terrestrial and submarine fibre

With 77 Undersea Cables, Africa's Internet Boom Stops at the

The expansion of fiber-optic networks across Africa is set to boost productivity, education, and digital inclusion. Yet the continent

Africa Telecom Transmission Map

Africa's total inventory of terrestrial fibre optic transmission networks passed the milestone of 1 million route-kms during 2018. By

Is fibre optic cable key to Africa's economic growth?

High speed internet connectivity is fuelling the growth of tech hotspots like Nairobi and is vital if Africa's growth is to

Fibre Optic Networks Reshaping Africa's Digital Future

Africa is amid a digital awakening, and fibre optic technology is central to this shift. Once seen as an expensive extra,

Africa Bandwidth Maps

Africa's total inventory of terrestrial fibre optic transmission networks passed the milestone of 1 million route-kms during 2018. By

List of terrestrial fibre optic cable projects in Africa

Map of active and planned African undersea fibre optic cables, as of September 2025
This is a list of terrestrial fibre optic cable

Fibre-optic leap bridges African digital divide

Google had committed \$1 billion in 2022 to driving Africa's digital transformation, including undersea cables for faster

African Undersea and Terrestrial Fibre Optic Cables

Explore the development and spread of African undersea and terrestrial fibre optic cables, a transformative revolution in

FIBRE: INTRODUCTION chapter7

Fibre Networks Reach Increases To 55.2% Of Sub-Saharan Africa The expansion of terrestrial transmission networks continues to

Africa Fiber Optic Cable Market (2025-2031)

6Wresearch actively monitors the Africa Fiber Optic Cable Market and publishes its comprehensive annual report, highlighting

Africa Analysis Team CC

The position paper titled “Africa Broadband Outlook 2024” analyses the current situation on the African continent as far as the

Africa: Africa's Operational Fibre Optic Network Reaches 1 Million ...

Africa's total inventory of operational fibre optic network reached the milestone of 1 million kilometres in the last year, increasing the

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