

South Sudan to Optical Cable Route Map



AI Overview

South Sudan is set to build a 2,400-kilometer fiber optic cable connecting the country to the Indian Ocean via Kenya, significantly enhancing its digital infrastructure. Project Overview South Sudan plans to commence construction of a 2,400-kilometer fiber optic cable in early 2026, linking the landlocked nation to the Indian Ocean through neighboring Kenya. The project is a cornerstone of the country's digital transformation strategy, aiming to provide high-speed, reliable internet access and reduce reliance on expensive satellite connections. The initiative is supported by the World Bank and involves feasibility studies, environmental assessments, and technical team recruitment prior to groundbreaking. Technical and Strategic Details Technology: Fiber optic internet transmits data as light pulses through glass or plastic fibers, offering faster speeds, higher bandwidth, and more reliable connections than traditional DSL or cable. Route: The cable will run from the Kenya border to Juba, the capital, providing nationwide connectivity. Investment: The design phase was allocated a \$9 million budget, while additional infrastructure improvements, such as renovating the Ministry's headquarters, are estimated at \$4 million. Private Sector Involvement: Companies like Bayobab, a subsidiary of MTN Group, are also planning to deploy fiber networks across South Sudan, complementing the national project and supporting broader digital transformation goals. Expected Impact Connectivity: The project will dramatically improve internet access, enabling faster communication, e-commerce, online education, and public service delivery. Economic Growth: By connecting to the Indian Ocean, South Sudan can integrate more effectively into regional and global digital economies. Digital Inclusion: With only 12.1% internet penetration as of early 2024, the fiber optic network is expected to expand access for millions of South Sudanese currently offline. Regional Cooperation: The project emphasizes collaboration with neighboring countries and international investors, fo...

Article Content

AfTerFibre – Many Possibilities

AfTerFibre The African Terrestrial Fibre Optic Cable Mapping Project or AfTerFibre for short is an open initiative to gather and share information about terrestrial fibre optic cable projects in Africa and map

South Sudan, Djibouti sign MoU to lay fibre optic cable

South Sudan's Ministry of Information, Communication Technology and Postal Services said South Sudanese and Djibouti government officials would establish a technical committee to

Submarine Cable Map 2022

New Builds Latin America Firmina. Google is planning this private cable connecting the United States to Brazil, Uruguay, and Argentina. The system will be Google's

Rick Astley

The official video for “Never Gonna Give You Up” by Rick Astley. Never: The Autobiography [OUT NOW!](#) Follow this link to get your copy and listen to Rick's ...

Submarine Cable Map 2022

The cable is slated to launch in early 2022 and will span 12,000 kilometers between Pakistan and France, with extensive branch coverage down the east coast of Africa.

Africa Bandwidth Maps

This map shows the reach of WIOCC's regional fibre optic network, which reached 75,000-km during 2024. WIOCC's regional network comprises the national transmission backbones of its shareholders

Intra Africa Fibre Fiber Map | PDF

The document is a map showing the proposed and existing routes of the Intra-Africa Optical Fibre Network across Africa. Key routes include existing networks in

Submarine Cable Map 2025

The Sinai infrastructure includes four diverse terrestrial crossing routes that connect the three new cable landing stations in Sinai — at Taba and Sharm El Sheikh on

Mapping Terrestrial Fibre Optic Networks is Essential for Measuring ...

When it comes to fiber optic networks, resiliency lies in the ability of a network to fail gracefully, seamlessly shifting traffic to other networks. Understanding the interplay of heterogeneous

Submarine Cable Map: Interactive Routes of 700+ Subsea Cables

Every active and planned submarine cable on Earth on a single interactive map. Click any line to open the cable, its landing points, and live route data. Browse all 705 submarine cables alphabetically.

Proposal Laying Fiber Optic for Cables along Railways

Laying fiber optic cables along Sudan's 5898 km railway network offers significant cost-effective communication improvements. Fiber optics provide advantages

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 projects in Africa. While submarine communications cables are used to

The World Fiber Internet Availability Map

Explore The World Fiber internet availability and speeds. See where The World Fiber offers service and compare fiber, cable, and DSL options.

Submarine Cable Map | Interactive Global Undersea Cables

This interactive submarine cable map shows the global undersea fiber optic cables connecting world. Explore cable routes, landing stations and system status.
Interactive map of the world's major

African Terrestrial Fibre Optic Infrastructure (AfTerFibre)

Terrestrial cables are mapped as part of the African Terrestrial Fibre Optic Cable Mapping Project (AfTerFibre). The terrestrial cables operating in

Submarine Cable Map 2024

This trans-Egypt crossing introduces subsea cable owners to a state-of-the-art route characterized by a new level of resiliency and diversity, complementing the

Proposal Laying Fiber Optic for Cables along Railways Tracks in Sudan

Abstract: Fiber optics cables offers various advantages of over regular cables when used as data transportation medium in today's communication networks. Many African countries such as the

Submarine Cable Map | Interactive Global Undersea Cables

This interactive submarine cable map shows global undersea and underwater fiber optic cables connecting continents and countries worldwide. Explore cable routes, landing stations, system status

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 June 2024 the amount of

Global Optical Fiber Network

This data is provided for visualisation of the current existing fibre optics cable network in Sight Africa. Cables shown on include international submarine cables with a maximum upgradeable

Maps - oAfrica

A variety of maps and charts focused on Africa's Internet exist and new infographics are appearing at a steady clip. Over 80 of our favorite visuals from around the

Sudan Section of the Fiber Optic Connectivity

The proposed project addresses enlargement of the regional ICT coverage by providing services for unconnected customers with satisfied and

Submarine Cable Map: Interactive Routes of 700+ Subsea Cables

Interactive map of 700+ submarine cables worldwide - explore routes, landing points, owners, year of service and length. Click any cable for full details.

Gov't approves \$9 million for fiber optic design

By Morris "Dogga South Sudan has taken a step towards realizing digital transformation with the Fiber Optic Implementation Committee. On Friday,

Fiber Map of the World 2026

Understanding Data Transmission and Bandwidth Fiber Maps and Their Role in Data Route Optimization Fiber maps visualize the global network of fiber optic cables, showcasing how data

Submarine Cable Map

Interactive map of submarine cable landing points worldwide. Explore connectivity, resilience, and topology of the global undersea cable network.

The EASSy Project: East African Submarine Cable System

The East African Submarine Cable System (EASSy) project consists of the construction of approximately 10,000 km of fiber optic submarine cable along the

Contact Us

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

Website: <https://www.introspec.co.za>

Email: info@introspec.co.za

Phone: +27 73 849 2156

Address: 25 Riebeek Street, Cape Town, 8001, South Africa

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

