

Construction of Mobile Communication Fiber Optic Cable in Mali

Article Overview

Mali is expanding its national fiber optic network through a \$117.3 million project led by China International Telecommunication Construction Corporation (CITCC), aiming to improve broadband access and mobile connectivity across key regions.

Project Overview

The Malian government has initiated a major fiber optic expansion to strengthen national telecom infrastructure and bridge the digital divide, particularly for the 65% of the population currently without internet access . The project, valued at \$117.3 million, was awarded to CITCC and is expected to be completed within 24 months . Key areas targeted include Mopti, Koro, Tombouctou, Gao, Ansongo, and Labenzaga .

Network Scope and Technical Details

The expansion involves deploying an 817 km fiber optic network, including major paths such as:

- o Mopti-Gao (420 km)
 - o Mopti-Koro-Bi (199 km), bordering Burkina Faso
 - o Gao-Labenzaga (198 km), near the Niger border
 - o 100 km fiber-to-the-home (FTTH) network for urban and semi-urban areas
- This infrastructure will support both mobile and fixed broadband services, enhancing connectivity for households, businesses, and public institutions.

Funding and Partnerships

The project is financed through a combination of government investment and international support. Mali has secured a loan from the Export-Import Bank of China to implement the "Mali Numerique 2020" initiative . Additionally, partnerships with operators like Orange Mali and the International Finance Corporation (IFC) aim to expand broadband coverage, particularly in rural areas, through the installation of 300 new 4G towers and fiber network extensions . Half of these towers will be located in underserved rural regions.

Expected Impact

Once completed, the fiber optic expansion is expected to:

- o Increase internet penetration beyond the current 34.5% of the population

Construction of Mobile Communication Fiber Optic Cable in Mali

- o Enhance mobile connectivity, supporting the 22.48 million mobile subscribers in Mali
- o Reduce internet costs and improve service quality in both urban and rural areas
- o Support digital transformation, including e-government services, startup ecosystems, and economic development
- o Promote digital inclusion, with initiatives to increase women's participation in digital training programs to 70% by 2032

Timeline and Strategic Goals

The project is scheduled for completion within two years, aligning with Mali's broader digital economy development plans for 2024-28. The government aims to create a modern, sustainable telecom ecosystem that facilitates economic growth, innovation, and equitable access to digital services. In summary, Mali's fiber optic construction project represents a strategic investment in mobile and broadband infrastructure, combining international financing, advanced technology deployment, and targeted regional coverage to significantly improve connectivity and digital inclusion across the country.

Get a high-level overview of the fiber construction stages and what to expect. This comprehensive guide explains each step of the

In 2011, the Malian government announced a 942 km fibre optic cable project linking Bamako-Gao-Kidal-Tin-Zaouti to the

Le gouvernement malien a confié l'extension du réseau national de fibre optique à la société chinoise China

Structured as a Social Loan, IFC-led financing supports the deployment of mobile and fiber optic networks in areas at

Market Forecast By Mode (Single Mode Fiber, Multi-Mode Fiber), By End-Use (Telecommunications, Networking, IT & Data Centers,

CEDIM Mali propose des services complets en ingénierie civil appliquée aux télécommunications, avec une expertise pointue dans

Mali government invests \$117.3 billion to improve fiber optic network The Malian government seeks to strengthen the

IFC added that, structured as a social loan, IFC-led financing supports the deployment of mobile and fiber

Construction of Mobile Communication Fiber Optic Cable in Mali

optic

Mali tendering authorities release contracts for most of the Telecommunications products and services procured by them.

Mali's government has reportedly contracted China International Telecommunication Construction Corporate to

Since then, fibre has been built out to all borders except one, and Mali has access to several undersea fibre-optic cables. The

The government of Mali is taking steps to improve its national telecom infrastructure as part of its digital transformation

Mali: USD 117.3 million for the extension of the national fiber optic network The Malian government has entrusted the

Connect to Vizocom, a leading internet services provider in Mali for business-critical needs. Get both broadband-based & VSAT

Guinea and Mali have agreed to interconnect their respective fiber optic networks, aiming to bolster their national infrastructures.

Mali's telecom systems are challenged by recent conflict, geography, areas of low population, poverty, security issues, and high

Web: <https://www.supremeacademicresearch.co.za>

