

Multiple Fiber Optic Sensors in Democratic Republic of Congo



Article Overview

The Democratic Republic of Congo is actively expanding its fiber optic infrastructure through major public-private partnerships and international investments, aiming to improve connectivity, digital services, and economic development.

Current Deployment and Projects

The DRC is undergoing significant fiber optic network expansion, including the construction of a 5,745 km backbone led by Facebook in collaboration with the government, with preliminary studies conducted by Sofrecom to ensure proper engineering and longevity of the network . Additionally, a 10,000 km regional fiber-optic project spans the DRC and neighboring countries, connecting schools, hospitals, and government institutions to improve access to high-speed internet . In the eastern regions, Bandwidth and Cloud Services Group (BCS) is deploying a new fiber-optic backbone supported by the European Investment Bank, providing faster, more reliable broadband to over 2.5 million people, including homes, schools, and hospitals . These initiatives are part of the EU's Global Gateway strategy, emphasizing sustainable and trusted digital connectivity.

Public-Private Partnerships

The DRC has leveraged public-private partnerships to operate and maintain fiber optic networks. For example, Fiber Access Service Technology Congo (FAST CONGO), in collaboration with the Congolese government and SOCOF, manages the Kinshasa...

Article Content

DRC Plans 2,100 km Fiber-Optic Corridor Along the Congo River

The proposed project covers about 2,100 kilometers of infrastructure, including 1,700 kilometers of fiber-optic cable along the Congo

Economic Impacts of Submarine Fiber Optic Cables and Broadband ...

This study explores the economic impact of the international data connectivity delivered by submarine fiber optic cables ("subsea

Customized Side-Look Fiber Optic Sensor for Democratic Republic of Congo

DRC unveils AfDB-backed 600KM Fibre Optic Cable The Democratic Republic of Congo (DRC) has launched a €66.55 million fibre

Construction of fibre-optic cables in the Democratic Republic of Congo ...

Construction of a 10,000 km regional fiber-optic backbone across 5 countries with an impact on around 90 million Africans, directly

Optical Fiber Backbones in DRC: A Strategic Project

Given the complexity of this deployment and the need to secure its timetable as well as its investments, Facebook called on

Fiber Optic Coverage and Internet Usage Statistics in Democratic ...

Overview of fiber optic infrastructure and internet usage statistics in the Democratic Republic of Congo for 2026, highlighting digital

DR Congo Readies Tender for Nationwide Fiber-Optic Network

The Democratic Republic of Congo is preparing an international tender for the construction and operation of a national fiber-optic

distributed optical fiber sensors Companies and Suppliers ...

Distributed Temperature Fiber Optic Sensor Cables (DTS) This technology makes use of fiber optic sensor cables, typically over

Liquid Technologies partners with Facebook to build optical fiber ...

Zimbabwean company Liquid Intelligent Technologies and Facebook announced today they are partnering to build an optical fiber

Congolese Fiber Optic Company (Societe Congolaise de Fibre

Learn more about Congolese Fiber Optic Company (Societe Congolaise de Fibre Optique) (SOCOF)'s jobs, projects, latest news,

Benya DRC

This project will form the foundation for the digital transformation in DRC across all sectors. The new network will enable an internet

Construction of fibre-optic cables in the Democratic Republic of Congo ...

The 5 countries covered by the project are located in Central and Southern Africa and includes: the Democratic Republic of Congo,

Benya DRC

Benya DRC Fiber optic operator in partnership with the SCPT in DRC As part of Benya Group efforts to lead digital transformation

Economic impacts of submarine fiber optic cables and broadband ...

Economic impacts of submarine fiber optic cables and broadband connectivity in the Democratic Republic of Congo O'Connor, A. C.,

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