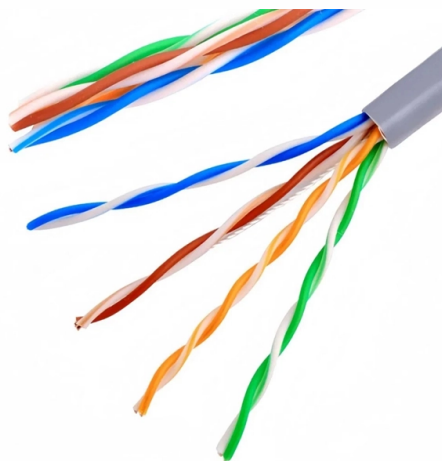


Niger Rail Transit Fiber Optic KVM Project



Overview

Niger Rail Transit Fiber Optic KVM Project The project has two major components: first, the construction of a 1,031-km national and cross-border fibre-opti.

Key Takeaways

The Niger Rail Transit Fiber Optic KVM Project is a 1,031-km national and cross-border fiber-optic network with a Tier III national data center, enhancing Niger's broadband connectivity and regional digital integration. Project Overview

The project, part of the Trans-Sahara Optical Fibre Backbone (TSB) Project, consists of two main components: the construction of a 1,031-km fiber-optic network spanning national and cross-border routes, and the installation of a Tier III national data center to support high-speed digital services in Niger . It is financed by the African Development Bank Group with an estimated cost of €43 million, including contributions from the African Development Fund and a national counterpart .

Network Coverage

The fiber-optic network covers five key routes connecting Niger to neighboring countries:

- Arlit-Assamaka to the Algerian border
- Diffa to N'Guigmi and the Chad border
- Zinder to Magaria and the Nigerian border



- Niamey to Dosso, Gaya and the Benin border
- Niamey to Makalondi and the Burkina Faso border Additionally, an 88-km urban local loop links main administrative sites to the future national data center, ensuring connectivity for government and public services .

Technical and Strategic Significance

The project integrates high-capacity fiber-optic infrastructure with KVM (keyboard, video, mouse) management systems to enable efficient control and monitoring of network operations. The Tier III data center ensures high availability, redundancy, and resilience, supporting e-government, e-commerce, mobile financial services, and other digital applications . Strategically, the project:

- Enhances regional digital integration by connecting Niger to Algeria, Nigeria, Chad, Benin, and Burkina Faso
- Reduces connectivity costs for citizens, businesses, and administrations
- Accelerates digitization of public services and promotes economic opportunities for youth
- Provides an alternative gateway to Europe through Algiers, strengthening international bandwidth capacity

Implementation Status

As of November 2025, Niger completed provisional acceptance of all fiber-optic sections, marked by an official handover ceremony in Niamey attended by government officials, African Development Bank representatives, and project stakeholders . The network is now operational in key corridors, with ongoing integration into national and regional digital infrastructure.

Impact

The project is expected to transform Niger's digital landscape, bridging the digital divide, improving broadband access, and fostering technological sovereignty. It positions Niger as a regional hub for high-speed telecommunications, supporting both public and private sector innovation .

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Group photo taken at the ceremony for the provisional acceptance of fibre optics at the Niger Telecoms office,

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Niger installs 1,031 km of fiber across five national corridors Project aims to connect with Benin, Nigeria, Chad,

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AfDB commits €44 million to reinforce high-speed broadband access in Niger

On Friday, December 9, 2016, the Board of Directors of the African Development Bank Group (AfDB) approved a loan of €31.4

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Niger: 1,031-Km Of Trans-Saharan Fibre Optic Backbone Routes

On 19 November 2025, a ceremony was held in the capital city Niamey to mark the completion and provisional acceptance of 1,031

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The Niger republic is resolutely engaged in a process of digital transformation through the "Smart-Africa" summit on the one hand,

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The Nigerien government plans to strengthen the national digital infrastructure as part of its ambitions for digital

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