Niger Optical Cable Communication Project

Overview

Niger takes a major step towards high-speed connectivity with The project has two major components: first, the construction of a 1,031-km national and cros.

Key Takeaways

Niger has completed a 1,031-km fiber-optic network and a Tier III data center under the Trans-Sahara Optical Fibre Backbone Project, significantly enhancing national and regional digital connectivity.

Project Overview

The Niger Optical Cable Communication Project is part of the Trans-Sahara Optical Fibre Backbone (TSB) Project, financed by the African Development Bank Group with a total cost of approximately €43–50 million ($50–53 million) and contributions from a national counterpart. The project aims to boost broadband access, reduce connectivity gaps, and strengthen regional digital integration across West Africa. Key ComponentsFiber-Optic Network: Total length: 1,031 km (640 miles)Covers five strategic routes connecting Niger to neighboring countries: Arlit–Assamaka to the Algerian border (220 km)Diffa–N'Guigmi to the Chadian border (186 km)Zinder–Magaria to the Nigerian border (117 km)Niamey–Dosso–Gaya to the Beninese border (300 km)Niamey–Makalondi to the Burkinabe border (118 km)Includes an 88-km urban local loop linking key administrative sites to the national data center.

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Tier II

I National Data Center: Designed to support efficient data management, cybersecurity, and digital servicesProvides a foundation for e-government, mobile financial services, and e-commerce.

Strategic Importance

National Connectivity: The project addresses Niger's low internet penetration, where only one in five citizens currently has internet access, and reduces geographical exclusion in remote areas. Regional Integration: Cross-border links connect Niger to Algeria, Nigeria, Chad, Benin, and Burkina Faso, facilitating access to submarine cable networks in neighboring countries and enhancing resilience and international bandwidth. Economic and Social Impact: The infrastructure supports digital transformation, economic development, and improved public services, while laying the groundwork for future smart city initiatives and enhanced emergency response capabilities.

Future Prospects

The project positions Niger as a digitally connected hub in the Sahel region, enabling better integration with regional economies and providing a platform for long-term digital modernization. The network is expected to reduce connectivity costs, improve broadband access in remote regions, and support regional digital initiatives. In summary, the Niger Optical Cable Communication Project represents a major milestone in the country's digital infrastructure, combining a high-capacity fiber-optic backbone with a modern data center to drive national development and regional connectivity.

Article Content

Niger takes a major step towards high-speed connectivity with

The project has two major components: first, the construction of a 1,031-km national and cross-border fibre-optic network; and secondly, the installation of a Tier III national data centre Africa

Niger takes a major step towards high-speed connectivity with

Niger has taken a major step forward in improving the country''s broadband connectivity and regional digital integration by completing provisional acceptance of the fibre-optic sections built

Niger takes a major step towards high-speed connectivity with

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In particular, the project will improve Niger''s digital resilience, accelerate the digitization of public services and create new economic opportunities for young people, thanks to high-quality

Niger Optical Cable Communication Project

Niger has taken a major step forward in improving the country''s broadband connectivity and regional digital integration by completing provisional acceptance of the fibre-optic sections built under the

Niger Completes 1,031 km of Fiber Optic Backbone to Link With

Niger has completed all sections of its component of the Trans-Saharan Fiber Optic Backbone. A provisional handover ceremony was held on Friday, November 14, 2025, marking a key

Niger takes a major step towards high-speed connectivity with

Niger has taken a major step towards strengthening national broadband connectivity and regional digital integration with the provisional acceptance of fibre-optic sections built under the Trans

Niger Completes 1,031 km of Fiber Optic Backbone to Link With

Niger installs 1,031 km of fiber across five national corridors Project aims to connect with Benin, Nigeria, Chad, Burkina Faso, and Algeria Authorities expect better service quality, wider

View Article

NIAMEY, Niger, November 21, 2025/ -- Niger has taken a major step forward in improving the country''s broadband connectivity and regional digital integration by completing provisional

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Can Niger''s New Fibre-Optic Cable Make the Country

Niger has completed a 1,031-km fibre-optic backbone and a Tier III data centre, strengthening digital connectivity nationwide. The project promises

African Development Bank Group (AfDB) / Press release | Niger takes

Niger takes a major step towards high-speed connectivity with handover of over 1,000 km of fibre-optic cable The project has two major components: first, the construction of a 1,031-km

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Poor internet access slows down digitisation drive

In Niger State, 21 applications for fibre optic laying from 2009 to 2024 were approved by the Niger State Urban Development Board. Fibre optic cables

Internet blackout in Niger: Niger''s dependence on the damaged ...

Niger''s dependence on Beninese infrastructure may be attributed to the fact that Benin, a coastal country, owns the SAT -3 fibre optic cable which, provides Niger''s high speed connection, enabling

Niger Achieves Milestone in Broadband Connectivity With Trans

Niger has taken a major step forward in improving the country''s broadband connectivity and regional digital integration by completing provisional acceptance of the fibre-optic sections built

List of terrestrial fibre optic cable projects in Africa

This is a list of terrestrial fibre optic cable projects in Africa. While submarine communications cables are used to connect countries and continents to the Internet, terrestrial fibre optic cables are used to

Egypt & Africa

Niger has taken a major step forward in improving the country''s broadband connectivity and regional digital integration by completing provisional acceptance of the fibre-optic sections built

Siemens Wins in Niger

The entire project in Niamey comprises firstly a fiber-optic loop in the Niamey area with links to Burkina Faso and Benin and further to the SAT3 undersea cable, and secondly a fiber-optic

Chad and Niger Advance Fiber Interconnection to Boost Digital ...

Chad and Niger have launched talks on fiber interconnection under the TSR project, seeking submarine cable access through coastal states to overcome digital isolation. Like other

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