

Article Overview

Azerbaijan is actively connecting fiber-optic cables through the Trans-Caspian Fiber-Optic Cable Line, linking Europe and Asia via the Caspian Sea.

Trans-Caspian Fiber-Optic Cable Project

Azerbaijan, through its telecom operator AzerTelecom (part of NEQSOL Holding), is implementing the Trans-Caspian Fiber-Optic Cable Line (FOCL) in partnership with Kazakhtelecom, Kazakhstan's national telecommunications operator . The project involves laying a 380-kilometer submarine cable along the Caspian seabed between Sumgayit, Azerbaijan, and Aktau, Kazakhstan . This infrastructure is designed to provide high-speed, low-latency connectivity with a data transmission capacity of up to 400 terabits per second, supporting large-scale data transfers, cloud services, and emerging AI ecosystems .

Strategic Importance

The Trans-Caspian FOCL is a key component of the Digital Silk Way initiative, launched by NEQSOL Holding to create a direct digital corridor between Europe and Asia . By linking Azerbaijan's and Kazakhstan's networks, the project aims to:

- o Enhance internet quality and stability in both countries
- o Reduce latency for international data traffic
- o Support regional economic cooperation and attract foreign investment
- o Strengthen Azerbaijan's role as a regional digital hub

Project Timeline and Implementation

Construction of the cable is actively underway, with official operations scheduled to begin in the third quarter of 2026 . The project is being executed in phases, with the first phase connecting Azerbaijan and Kazakhstan, and a planned second phase extending to Turkmenistan . Supervision and design support are provided by Pioneer Consulting, ensuring technical and operational standards are met .

Broader Digital Impact

The FOCL is expected to facilitate international data transit, improve bandwidth for large-scale digital services, and reduce reliance on traditional routes. It also positions Azerbaijan as a strategic digital gateway between Europe and Central Asia, complementing other regional connectivity projects and supporting sustainable development across participating countries . In summary, Azerbaijan's fiber-optic initiatives, particularly the Trans-Caspian FOCL, represent a major step in regional digital integration, enhancing

Azerbaijan connects fiber optic cables

connectivity, economic cooperation, and technological advancement across Eurasia.

For the first time, a subsea fiber-optic cable will link Azerbaijan and Kazakhstan, forming a digital artery with more

The Trans-Caspian Fiber Optic Cable Line Project is being implemented by AzerTelecom, a backbone internet provider

In early March 2025, AzerTelecom and Kazakhtelecom signed an agreement on the construction of the submarine fiber-optic

ASTANA. June 18 (Interfax) - The project to lay a trans-Caspian fiber-optic communications line will cost more than 23 billion tenge

Kazakh and Azerbaijani telecommunications operators have joined forces to implement an ambitious project: laying a

Practical work on the Trans-Caspian Fiber-Optic Cable Line between Azerbaijan and Kazakhstan is set to begin this

AzerTelecom | 6,598 followers on LinkedIn. AzerTelecom" LLC is an Internet backbone provider that connects Azerbaijan to the

This strategic project involves the construction of a 380 km-long fiber-optic cable line across the Caspian Sea,

The Trans-Caspian Cable Project, which is strategically significant for the region, involves the construction of a 380 km

The large-scale infrastructure project aims to build a high-capacity transit fiber-optic

The flagship project, the Transcaspian Fibre Optic Cable Line, will become the first direct digital bridge between

The Trans-Caspian Fiber-optic Cable project, set to establish the first fiber-optic connection between Azerbaijan and Kazakhstan,

AzerTelecom and Kazakhtelecom are entering the final construction phase of the Trans-Caspian Fiber Optic Cable Line (TCFOCL),

Azerbaijan connects fiber optic cables

Both Azerbaijani and Kazakh teams are applying state-of-the-art technology and expertise, and I am confident the

Azerbaijan and Turkmenistan have agreed on a new programme to install fibre-optic cables linking the two countries under the

The primary route of the submarine fiber-optic line, approximately 370 kilometers in length,

Web: <https://millstraining.co.za>

