

Article Overview

Kazakhstan is establishing a high-capacity fiber-optic link to Azerbaijan via the Trans-Caspian Cable, enhancing connectivity between Europe and Asia.

Trans-Caspian Fiber-Optic Cable Project

Kazakhstan is participating in the Trans-Caspian fiber-optic cable project, a key component of the Digital Silk Way initiative led by NEQSOL Holding and implemented through AzerTelecom in partnership with Kazakhtelecom . The project involves laying a 380-kilometer submarine cable along the Caspian Sea floor, connecting Aktau, Kazakhstan, to Sumgayit, Azerbaijan. The cable is designed to provide ultra-high-speed, low-latency connectivity with a data transmission capacity of up to 400 terabits per second (Tbps), creating a direct digital corridor between Europe and Central/South Asia . Construction is currently underway, with the official launch scheduled for the third quarter of 2026 . The project aims to reduce latency, improve internet quality, and support international data transit, while also attracting global hyperscalers and enhancing regional digital resilience . The initiative is expected to strengthen Kazakhstan's role as a digital gateway between Europe and Asia.

Strategic Importance

The Trans-Caspian cable is part of a broader effort to diversify connectivity routes beyond traditional terrestrial and submarine networks. It will facilitate high-capacity, secure, and reliable data exchange, supporting economic cooperation, digitalization, and technological advancement across the South Caucasus, Central Asia, and South Asia . This infrastructure is particularly significant for international businesses, cloud services, and regional internet traffic management.

Fiber Optic Cable Imports in Kazakhstan

In addition to domestic projects, Kazakhstan imports a substantial volume of fiber optic cables. Between July 2024 and June 2025, there were 3,903 shipments of fiber optic cables into Kazakhstan, sourced primarily from China, the United States, and Germany, with major buyers including Ukraine, the United States, and Hong Kong . This import activity supports both domestic network expansion and international connectivity projects, providing access to high-quality cable materials and components.

Summary

Kazakhstan's fiber optic infrastructure is rapidly advancing through the Trans-Caspian submarine cable, which will link the country directly to Azerbaijan and, by extension, to Europe and Asia. Combined with robust



Fiber optic cable connection from Kazakhstan

import activity for fiber optic cables, these developments position Kazakhstan as a strategic hub for high-speed digital connectivity in the Eurasian region, supporting both commercial and technological growth .

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

The Trans-Caspian Fiber Optic Cable is a key component of the "Digital Silk Way" project, initiated and implemented

After the feasibility study the construction of fiber-optic data cables along the Caspian Sea"s

The Trans-Caspian Fiber-Optic Cable Line is a key component of the Digital Silk Way

NEQSOL Holding announces Trans-Caspian Fiber Optic Cable Line connecting Europe, Asia and the Caspian Sea, in

The cable will connect the two Central Asian nations, via a subsea link which will traverse the sea bed of the Caspian

23 June 2023 AzerTelecom and Kazakhtelecom have signed a Shareholders" Agreement to establish a joint venture for the

It is expected to enter service in 2026 and is short by submarine standards, about 341 km. It is being built jointly by Azertelecom of

Baku: The laying of a fiber-optic cable from Kazakhstan to Azerbaijan along the bottom of the Caspian Sea is scheduled to begin in

Kazakhstan Fiber Optic Cable Market Synopsis The Kazakhstan Fiber Optic Cable Market is witnessing significant growth driven by

The Trans-Caspian Cable Project the construction of a 380 km long fiber-optic cable line along the seabed of the

This initiative, known as the West-East National Fiber-Optic Highway, is not just a local development but a global

Azerbaijan and Kazakhstan have started deploying the first-ever fiber-optic cable between the countries,



Fiber optic cable connection from Kazakhstan

AzerTelecom and Kazakhtelecom, the leading telecommunications companies of Azerbaijan and Kazakhstan, have signed an

According to Kazakhstan's Ambassador to Azerbaijan, Alim Bayel, significant developments are on the horizon for the

Photo: Kazakhstan Ukimet ASTANA, Kazakhstan, December 26. The launch of the project for the installation of the

Web: <https://bssoda.pl>

