

Current fiber optic communication in Kazakhstan



Overview

Kazakhstan and Azerbaijan are moving ahead with the development of the Trans-Caspian fiber-optic communication line, which is designed to run along the floor of the Caspian Sea and transform regional connectivity between Europe and Asia. On February 6, 2025, the country's Ministry of Digital Development, Innovation, and Aerospace Industry announced a groundbreaking partnership with Freedom Telecom Holding Ltd. The head of the agency emphasized that Kazakhstan and Uzbekistan are striving to reduce their digital dependence on Russia and tilt their economic attention a bit more to the West.

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To strengthen Kazakhstan's role as a key transit hub between Europe and Asia, construction of an optical fiber cable along the bottom of the Caspian Sea to Azerbaijan has begun.



Freedom Telecom is set to establish the East-West fiber-optic hyperhighway, as well as a data processing center (Tier III or higher) to transit ...



By the end of 2027, it is planned to provide 100% Internet coverage of the population, achieve speeds above 100 Mbps, and extend fiber-optic lines to 90% of rural settlements.



Freedom Telecom is set to establish the East-West fiber-optic hyperhighway, as well as a data processing center (Tier III or higher) to transit and store international traffic, Kazakhstan's ...



The two countries are moving forward with a plan to lay a fiber-optic cable beneath the Caspian Sea to establish a connection with Azerbaijan. At present, virtually all Kazakhstan's and ...



Currently, global internet traffic relies on several major fiber-optic backbones: By constructing a high-speed fiber-optic highway, Kazakhstan will offer an alternative, land-based route ...



Kazakhstan continues to expand its network of fiber-optic communication lines. More than 3,000 additional villages are expected to be connected to the country's main fiber-optic backbone by ...



Kazakhstan's Ministry of Digital Development, Innovation, and Aerospace Industry has signed a memorandum of cooperation with Freedom Telecom Holding Ltd. to develop a fiber-optic ...



Currently, global internet traffic relies on several major fiber-optic ...



The construction of fiber-optic communication lines is expected to be completed by the end of 2026 — a year ahead of schedule. For remote areas, ...



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The construction of fiber-optic communication lines is expected to be completed by the end of 2026 — a year ahead of schedule. For remote areas, satellite connections will ensure full ...



The West-East national highway will considerably expand data transmission capacity and position Kazakhstan as a key hub for global internet traffic transit, according to the ministry.

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