



GROWTH HISTORY OF KAZAKHTELECOM JSC GROUP OF COMPANIES

1994

- › Foundation of Kazakhtelecom JSC.

1995

- › Construction of the National Sector of the International Trans-Asian-European Fiber Optic Line (TAE FOCL), 52 km from Almaty.

1996

- › Launch of TLX.25 Turbo telex station in Almaty.

1997

- › Listing of the Company on the Kazakhstan Stock Exchange.

1998

- › Launch of a satellite communications system to provide telephone services in remote population centres.

1999

- › Creation of a unified National Data Transmission Network with the Kazakhstan Online trademark.
- › Operation of the first International Switching Centre (ISC) in Almaty.

2000

- › Implementation of ATM technology.

2001

- › Establishment of the Internet Data Center (IDC) enterprise providing IT services.

2002

- › Launch of the National Intelligent Network.
- › Commissioning of the fiber-optic line segment "Russia-Kazakhstan".

2003

- › Kazakhtelecom received the prestigious international "International Gold Medal Award" for quality and management efficiency.
- › Completion of the transition to digital telephone exchanges in the capital of Kazakhstan.

2004

- › Re-registration of the company from an Open Joint-Stock Company (OJSC) to a Joint-Stock Company (JSC).

2005

- › Construction of a new data transmission network based on DPT technology and launch of broadband internet services "Megaline" based on ADSL technology.

2006

- › Separation of ICT into a distinct division (Information Systems Directorate).

2007

- › Kazakhtelecom achieved 100% coverage of fixed-line communication services across Kazakhstan.

2008

- › Implementation of the Quality Management System (QMS) project and commissioning of the Balanced Scorecard Information System.

2009

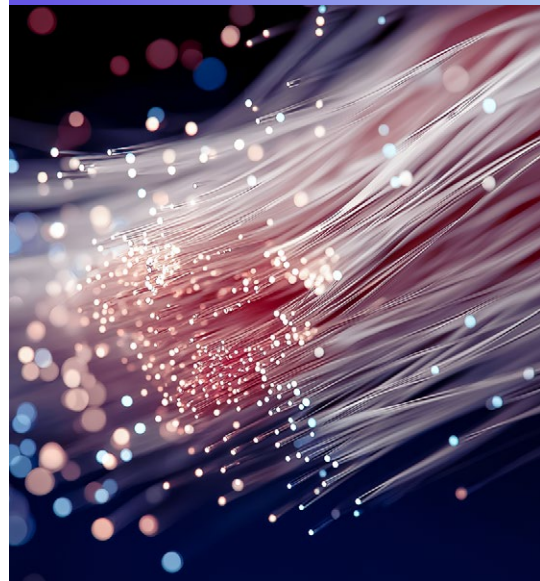
- › Launch of IPTV services under the ID TV brand.
- › Introduction of telephone network access services based on IP protocol (SIP platform).



2010

- › Opening of the “Academy of Infocommunication Technologies” Directorate.
- › Completion of the project “Transition of Kazakhtelecom JSC’s telecommunications networks to Next Generation Network (NGN) technologies”.

2011



- › Transition to 10Gbps technologies.
- › Launch of a strategic project for the construction of a universal fiber-to-the-home (FTTH) access network).

2012

- › Sale of 49% of Kcell shares to TeliaSonera.
- › Presentation of the largest Data Center (DC) in the CIS, developed in partnership with Hewlett-Packard.
- › Launch of the LTE network in Almaty and Astana.
- › Launch of the first local traffic servers from Google in Astana.

2013

- › The Company was recognized as the leader in corporate governance among subsidiaries of the Fund in 2013, based on the results of an independent corporate governance assessment conducted in five subsidiaries of Samruk-Kazyna JSC.

2014

- › Launch of LTE networks in all regional centers of Kazakhstan (via the subsidiary Altel).
- › Launch of a new generation core coherent network with support for 100 Gbps DWDM next-generation lambdas.

2015

- › Kazakhtelecom digitized fixed voice communication networks.
- › Transition to 100Gbps technology.

2016

- › Creation of a joint venture Altel/Tele2 in the mobile communications market.
- › Implementation of the Dream project to establish a transit route between Europe and Southeast Asia in collaboration with China Mobile.

2017



- › Establishment of a Unified Network Management Center.
- › Launch of the unified Cloud Video Surveillance system.

2018

- › Acquisition of a 75% stake in Kcell.
- › Approval and launch of the FOCL construction project in 1,249 rural settlements under a public-private partnership (PPP) model.

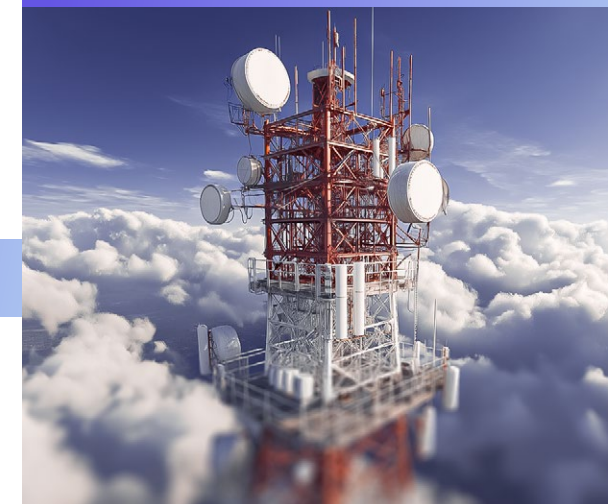
2019

- › Implementation of the Smart Aqkol project.
- › 5G testing in the cities of Nur-Sultan and Almaty.
- › Acquisition of a 49% stake in the joint venture from Tele2 AB.
- › Kazakhtelecom JSC won the “Deal of the Year” award at the annual international TMT M&A Awards 2019.
- › Launch of the IoT network.

2020

- › Completion of a large-scale infrastructure project for the construction of fiber-optic communication lines in 828 rural settlements (FOCL RSP project).
- › Completion of the project to provide high-speed mobile internet and communication to 928 rural settlements with a population of over 250 people.
- › Launch of the tobacco product labeling service.
- › Launch of the new Telco Cloud network architecture with virtualization of the network infrastructure.

2021



- › Launch of a project to provide telecommunications services to residents of private residential areas in cities and nearby villages using Fixed Wireless Access technology.
- › Kazakhtelecom JSC launched its own multiplatform TV service – TV+.
- › Launch of a project to establish eQoldau public access points network in rural areas.
- › Kazakhstan rose in the Ookla Speedtest Global Index mobile internet speed ranking due to the expansion of mobile operators’ connections to Kazakhtelecom JSC’s network.
- › Kazakhtelecom JSC launched a next-generation service – eSIM.
- › The number of users of the Ismet.kz business marketplace from Kazakhtelecom JSC increased sevenfold – reaching 60,000.

2022

- › Implementation of the project to migrate customers from outdated copper technologies (ADSL) to fiber.
- › Implementation of the project to provide telecom services to city residents using the most advanced GPON technology.
- › Kurchatov became the first monotown in Kazakhstan to be fully transitioned to optical networks by Kazakhtelecom JSC.
- › At an exhibition in Astana, Kazakhtelecom JSC presented the Open RAN technology.
- › Kazakhtelecom JSC deployed a K-root DNS server mirror on its network.
- › Kazakhtelecom JSC opened its own Corporate University to develop digital talents.



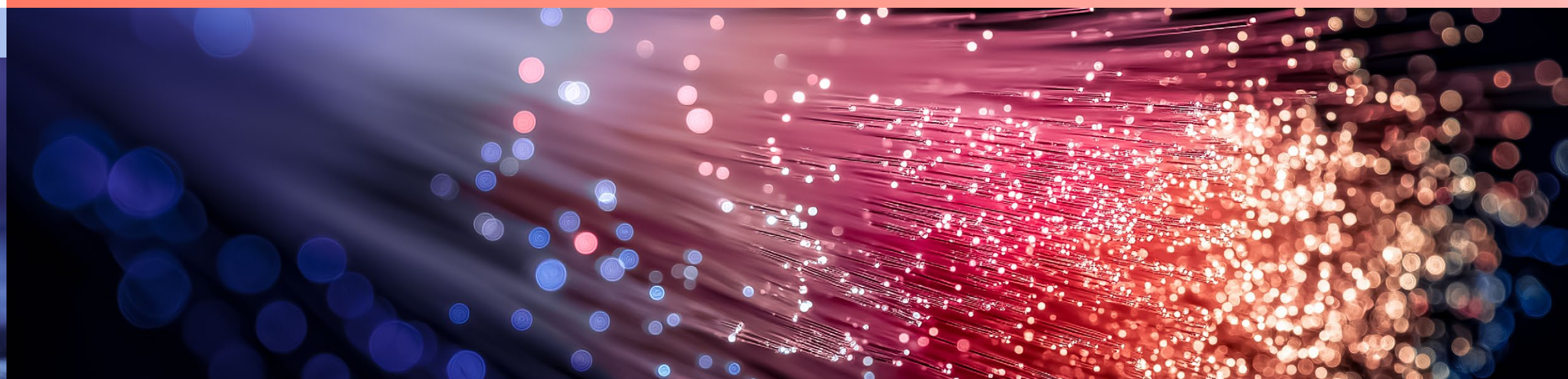


2023



- › Launch of a large-scale, nationally significant project to deploy 5G in Kazakhstan.
- › Active phase of the international project to build a fiber-optic communication line under the Caspian Sea in cooperation with AzerTelecom along the “Kazakhstan–Azerbaijan” route.
- › Kazakhtelecom JSC and Microsoft completed a project to establish direct peering between their systems in Frankfurt to improve access to Microsoft services for Kazakhstani customers.
- › Expansion of peering connectivity with the Amazon Web Services autonomous system in Hong Kong.
- › Commissioning of 84 additional rack spaces in the modular data center in Almaty.
- › The World Intellectual Property Organization and international business school INSEAD recognized Kazakhtelecom as a leader in global brand value in their Global Innovation Index;
- › Local PUBG MOBILE servers were launched on Kazakhtelecom JSC’s infrastructure.

2024



- › Internationally recognized organizations Global CIO and DAMA International named Kazakhtelecom JSC’s “Data Factory” project the best IT project in the telecommunications industry.
- › Kazakhtelecom JSC allocated KZT 1 billion to assist Kazakhstanis affected by floods in the Aktobe, Kostanay, West Kazakhstan, Ulytau, Akmola, Karaganda, Atyrau, Pavlodar, and North Kazakhstan regions.
- › Kazakhtelecom JSC launched a large-scale project aimed at drastically improving internet quality for Kazakhstanis – “Sapa+”, under which around 300,000 new and modern routers were installed at customers’ premises nationwide.
- › As part of the “Tazartu” project, Kazakhtelecom JSC migrated more than 70,000 customers across the country from outdated ADSL copper technologies to modern GPON fiber optics.
- › Kazakhtelecom JSC opened a new space for synergy, creativity, startups, and meetings with venture investors – the innovation center Activation Hub.
- › Kazakhtelecom JSC launched a series of tests for piloting a quadcopter using so-called LAM models, including voice command controls.
- › Kazakhtelecom JSC’s newly established subsidiary, Auyl Telecom, is building wireless infrastructure in rural areas of the country.
- › Kazakhtelecom JSC connected more than 200 schools in Atyrau Region to a video surveillance system.
- › As part of the Mobile Backhaul project, Kazakhtelecom JSC is laying fiber-optic lines in 12 cities across the country for 5G base stations and completed 2024 by fulfilling its license obligations under the mega-project for 5G deployment in Kazakhstan.
- › The interactive TV service “TV+” by Kazakhtelecom JSC surpassed 800,000 users by the end of the year.
- › The Speedtest Global Index published its rankings of countries with the fastest internet, placing Kazakhstan 57th in mobile internet speed (average download speed: 53.76 Mbps) and 88th in fixed broadband speed (average download speed: 73.67 Mbps).
- › Kazakhtelecom completed the establishment of PoP (Point of Presence) nodes in Frankfurt and Hong Kong, organizing peering with major companies including Google, Meta, Amazon, Apple, Netflix, Valve, Microsoft, Telegram, Tencent, Twitch, and others.
- › The construction of a perimeter protection system against DDoS attacks, NG Firewall, and VAW was completed.