

Kazakhstan Energy Internet Pilot Project



Overview

Energy Minister Yerlan Akkenzhenov announced the initiative during a recent government meeting. EnergyTech will consolidate all elements of the sector, including power generation, subsoil use, refining, and coal, on a single platform aligned with QazTech standards. He noted that, in general, the country's energy system operates normally, in parallel with the energy systems of the Russian Federation. Kazakhstan currently operates 230 power plants, including 156 renewable energy facilities with a combined installed capacity of over 3 gigawatts. In 2024, the country generated 117.9bn kWh—highlighting the growing need for. Kazakhstan is moving forward with plans to establish EnergyTech, a unified national digital platform for managing its fuel and energy complex. In particular, a pilot project has been launched for digital monitoring of the licensing and. Deputy Prime Minister of Kazakhstan Kanat Bozumbayev announced the start of the practical development of the utilities and energy sectors' modernization national project, including the attraction of investments, pilot projects and digitalization of processes, Kazinform News Agency reports.



Article Content

Mar 08, 2026

Kazakhstan boosts its renewable energy investment system

It is worth noting that the implementation of RE projects in Kazakhstan started with the adoption of the Law "On Promotion of Use of

Jan 21, 2026

Kazakhstan Expands Renewable Energy and Digital Infrastructure

ASTANA – Two hundred and thirty power plants are operating in Kazakhstan, including 156 renewable energy facilities

Nov 10, 2025

Kazakhstan ramps up energy, digital projects to tackle power deficit ...

Prime Minister Olzhas Bektenov recently chaired a government meeting to assess the implementation of major energy

Mar 02, 2026

Kazakhstan Accelerates Renewable Energy Transition with Nine Projects

ASTANA — This year, Kazakhstan plans to launch nine renewable energy facilities with a combined installed capacity

Aug 03, 2025

QazaqGreen | News Kazakhstan | Energy Ministry:

In 2025, Kazakhstan plans to commission nine additional renewable energy projects, totaling 455.5 MW in

Nov 24, 2025

The Ministry of Energy plans to implement 68 projects to introduce

This year, a pilot launch of the digital service for submitting and reviewing applications for the approval of maximum

Jun 12, 2026

Energy 4.0: Towards IoT Applications in Kazakhstan

In the paper we are presenting the possible applications of the IoT in the energy sector of Kazakhstan: its future

Nov 25, 2025

Kazakhstan's Energy Transition

Tatiana Lanshina, Yana Zabanova Kazakhstan is Central Asia's energy transition pioneer. It was the first country in

Mar 25, 2026

Kazakhstan keeps pursuing digitalization of energy industry

In particular, a pilot project has been launched for digital monitoring of the licensing and contract conditions of subsoil

Feb 04, 2026

Kazakhstan's energy sector for green transitioning (Project ...

EXECUTIVE SUMMARY As global climate change impacts intensify, the urgency for sustainable energy solutions has escalated,

Feb 18, 2026

Kazakhstan's path to clean energy and climate resilience

Kazakhstan's journey to carbon neutrality is far from over. By unlocking opportunities for large-scale, small and

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Energy 4.0: Towards IoT Applications in Kazakhstan

On the other side, some parts of Industry 4.0 can help to reduce energy consumption with the use of smart grid,

Jun 11, 2026

58200-001: Supporting Kazakhstan's Renewable Energy Transition

Energy / Energy sector development and institutional reform Gender No gender elements Description Project Rationale and Linkage

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Kazakhstan's power system 2035: options for development

4 Kazakhstan's vast and cost-efficient wind energy potential offers a particularly strong foundation for scaling up renewable energy

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Accessible Internet National Project: Kazakhstan residents to be ...

The Minister of Digital Development, Innovation and Aerospace Industry Bagdat Mussin reported that the main

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Kazakhstan proceeds to implement utilities sector modernization ...

Deputy Prime Minister of Kazakhstan Kanat Bozumbayev announced the start of the practical development of the

Jun 17, 2026

Accessible Internet National Project: Kazakhstan residents to be ...

The plans for Accessible Internet pilot national project, developed on the instructions of the Head of State, were

Oct 09, 2025

Kazakhstan keeps pursuing digitalization of energy industry

Kazakhstan has implemented several key initiatives to digitalize the energy industry in 2024, Azernews reports.

Oct 03, 2025

Kazakhstan Launches National Project to Modernize Utilities and

The project's main objectives include the modernization and construction of energy and utilities infrastructure,

Nov 02, 2025

Kazakhstan to Launch Unified Digital Platform for Energy Sector ...

Kazakhstan is moving forward with plans to establish EnergyTech, a unified national digital platform for managing its

Dec 08, 2025

Empowering Kazakhstan's Energy Future through Smart Technologies

We have looked at possibilities of DBMs implementation in the context of Kazakhstan, and what kind of challenges our energy

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Executive Summary

Kazakhstan is the largest emitter of CO2 in Central Asia, with a CO2 intensity of GDP 70% higher than the global average. The

Aug 15, 2025

Kazakhstan's trains receive Starlink internet in pilot project

Kazakhstan's Ministry of Digital Development, Innovations and Aerospace Industry has launched a pilot project to

Jan 23, 2026

Ministry of Energy of Kazakhstan: 2024 results and strategic plans for ...

An extended meeting of the Board of the Ministry of Energy was held in Astana, where the results of the department's

May 28, 2026

Reshaping Energy in Eurasia: Insights from Kazakhstan and

Important Note PwC presents the study titled “Reshaping Energy in Eurasia: Insights from Kazakhstan and Uzbekistan,” dated

Sep 28, 2025

PowerPoint Presentation, English, blank

of the implemented UNDP pilot projects on energy efficiency and RES implementations in Kazakhstan Alexander Bely, Ph.D.

Jul 10, 2026

UNDP presented the results of the project on de-risking investments in ...

The United Nations Development Programme (UNDP) in Kazakhstan has presented the results of the project to

Jan 03, 2026

Kazakhstan plans to attract \$24.1bn to upgrade energy and utilities ...

Kazakhstan plans to attract over KZT 13 trillion (\$24.1bn) in investments over the next five years to modernize its

Nov 04, 2025

Renewable energy in Kazakhstan

There is enormous potential for renewable energy in Kazakhstan, particularly from wind and small hydropower plants. The Republic

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