

# Kazakhstan energy storage project

How will Kazakhstan's 1GW wind and battery storage project impact society?

The signing today exemplifies the remarkable progress of the 1GW wind and battery storage project, setting the stage for Kazakhstan's stride towards its clean energy ambitions. The transformative project will have a profound impact on the country's socioeconomic landscape, and we are truly honoured to be an integral part of this journey.

What is the biggest wind energy project in Kazakhstan?

Largest wind energy project ever initiated in Kazakhstan, Mirny will supply more than 1 million people with low-carbon electricity and will avoid the emission of 3.5 million tons of CO<sub>2</sub> annually in the country.

How can TotalEnergies contribute to the energy transition in Kazakhstan?

"At COP28, more than 110 nations committed to tripling renewable energy capacity by 2030. TotalEnergies supports this call. With this innovative wind and battery project, our Company is making a direct contribution to this ambition and to the energy transition in Kazakhstan", said Patrick Pouyanne, Chairman and CEO of TotalEnergies.

Will ACWA Power Invest in Kazakhstan?

With the head of terms agreement announced earlier this year, the 1GW wind project represents ACWA Power's entry into Kazakhstan, and with an investment tag of US\$1.5 billion, marks the biggest Saudi investment in Kazakhstan's power sector to date.

How will Kazakh partner 'Mirny' project benefit TotalEnergies?

Each Kazakh partner will hold a 20% stake in the project. "The signing of this Agreement on Investment will allow to launch the Mirny project, which will help TotalEnergies triple its power generation from 33 TWh to more than 100 TWh by 2030," said TotalEnergies CEO Patrick Pouyanne.

The project is expected to be completed in 2027. ACWA Power entered a partnership with Kazakhstan's Ministry of Energy and sovereign wealth fund Samruk-Kazyna to develop one gigawatt of wind energy and battery storage project with an initial investment of ...

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The legislation of Kazakhstan lacks the concept of "energy storage system", as well as the concept of "energy storage device", which prevents the regulation of the use of energy storages in the electricity markets. Moreover, the legislation does not contain a definition of the "reserve

capacity";

The Mirny project involves the construction of a 1 GW onshore wind farm with up to 160 turbines and a 600 MWh battery energy storage system to ensure a reliable power supply. With an investment of approximately \$1.4 billion, TotalEnergies is partnering with the National Wealth Fund Samruk-Kazyna and the National Company KazMunayGas, both owning ...

Abu Dhabi Future Energy Company, or Masdar, today announced it has sealed an agreement with the government of Kazakhstan and the Kazakhstan Investment Development Fund (KIDF) to jointly work on an up to 1-GW wind project in the Central Asian country.

In 2018, Kazakhstan's energy consumption (measured by total primary energy supply) was 76 Mtoe, comparable to consumption in the Netherlands (73 Mtoe). Among EU4Energy focus countries, Kazakhstan is the second-largest energy consumer after Ukraine.

ACWA Power, a leading Saudi developer, investor, and operator of power generation, water desalination and green hydrogen plants worldwide, has announced a ground-breaking partnership agreement with the Republic of Kazakhstan's Ministry of Energy and Samruk-Kazyna, the sovereign wealth fund of Kazakhstan to lead and develop a 1GW wind ...

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