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# 1000 wh power station factory in Tajikistan





## Overview

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Who is supplying HVDC converter stations in Tajikistan & Pakistan?

As part of the CASA-1000 power link Hitachi Energy was 2018 selected as supplier of two high-voltage direct current (HVDC) converter stations in Tajikistan and Pakistan. These converter stations will enable the efficient transmission of renewable hydropower over 800 kilometers from generation sites in Tajikistan to consumption areas in Pakistan.

Does Tajikistan have a power system?

The existing electrical transmission and distribution systems of Tajikistan, designed in the 1970s during the Soviet era, are also being upgraded and expanded, allowing transmission of power from Tajikistan to surrounding countries.

What is Tajikistan's hydropower potential?

Tajikistan's hydropower potential is estimated at 527 billion kWh per year, which exceeds the existing electricity consumption of the countries of Central Asia by 300%. The country's largest project is the Roghun Dam Hydropower Plant project, which when completed is estimated to produce 3600 Megawatts of energy.

How will electricity exports benefit Tajikistan?

Profits from electricity exports will contribute to the financial recovery of the Tajik national power utility company, allowing Tajikistan's electrical utilities to reconstruct existing power infrastructure and attract financing for construction of new generation and transmission infrastructure.



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### [Regional Connectivity: Tajikistan's Race to Finish CASA-1000 ...](#)

Jun 14, 2025 · The CASA-1000 project (Central Asia-South Asia power transmission line) is a landmark energy initiative aiming to bridge two regions. It was launched in the mid-2010s and ...

### [Construction of the Tajik section of CASA-1000 Project ...](#)

Aug 23, 2022 · India's Kalpataru Power Transmission Limited (KPTL) is engaged in the delivery of equipment and necessary tools for construction of the Tajik section of the CASA-1000 Project. ...



### [CASA-1000 HVDC \(High Voltage Direct Current\) substations in Tajikistan](#)

Design, construction and commissioning of the HVDC substation with  $\pm 500$  kV, 1300 MW line-commutated converter (LCC) technology in Tajikistan. Design, construction and ...

### [Tajikistan completes construction of converter station as part ...](#)

Mar 4, 2025 · The official launch of construction work on the CASA-1000 project took place in May 2016. By early February 2024, Tajikistan had almost completed all work for the CASA-1000 ...



### [Tajikistan to complete CASA-1000 by end of 2026, minister ...](#)

Jun 2, 2025 · The CASA-1000 is a \$1.2 billion regional power project designed to bring the benefits of interconnectivity to four countries Tajikistan, Pakistan, Kyrgyzstan and Afghanistan.

### [Tajikistan Announces CASA-1000 Project to Be Operational ...](#)

Mar 4, 2025 · The CASA-1000 project is designed to transport electricity from Tajikistan and Kyrgyzstan to Pakistan through Afghan territory, with an operational target set for 2027. As ...



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