

Armenian Data Center Power Distribution Box Processing Plant



Article Overview

Armenia is developing a \$500 million AI data center with over 100 MW power capacity, advanced Nvidia GPU deployment, and Tier III infrastructure to support large-scale data processing and cloud services.

Overview of the AI Data Center Project

Armenia is constructing a large-scale AI data center, valued at \$500 million, aimed at transforming the country into a regional tech hub for AI, innovation, and entrepreneurship. The facility will host thousands of Nvidia Blackwell GPUs and is designed to handle over 100 megawatts of power, ensuring high-performance computing for AI applications and large-scale data processing . The project is a collaboration between the Armenian government, Nvidia, Firebird, and Team Group, with operational support from local telecom providers .

Power Distribution and Infrastructure

The data center's power distribution system is a critical component, designed to provide stable and reliable electricity for high-density computing workloads. Armenia's energy resources, including nuclear, solar, and hydroelectric power, are leveraged to meet the facility's demands . The center's infrastructure follows Tier III standards, ensuring redundancy, continuous operation, and secure power delivery to all server racks . This includes advanced power distribution boxes and backup systems to maintain uptime during maintenance or outages.

Processing Capabilities

Article Content

Data Center Solutions

OVIO's Tier III Data Center offers 2 MW of power, 216 server racks, and 24/7 support to ensure secure data storage and continuous

ENERGY BALANCE OF THE REPUBLIC OF ARMENIA FOR 2022

Methodology for the compilation of 2021 Energy Balance was analyzed; Collected data were analyzed, the balance indicators were

Armenia 2021

The largest utility-scale solar power plant in Armenia will be located in Mets Masrik municipality, in the Gegharkunik region. The 55

Part 2 | Navigating Armenia's Nuclear Energy Licensing Landscape

Armenia's nuclear energy journey intertwines law and technology. The country built its sole nuclear power plant near Metsamor in the

Armenia 2022

The Armenian Nuclear Power Plant CJSC is the ANPP's operating organization. Metsamorenergoatom CJSC will be the operating

Armenia Data Center Power Market (2025-2031) | Forecast, Industry ...

The Armenia data center power market is experiencing growth as data center operators invest in scalable and energy-efficient power

Nuclear Energy

In April 1993 the Government of Armenia decided to resume operations at the Armenian Nuclear Power Plant. On November 5,

Data Center Power: A Comprehensive Overview of Energy

Data center power supply relies on an efficient distribution system that includes backup procedures to ensure uninterrupted service

Armenia AI Megaproject — Grokipedia

On June 11, 2025, the partners revealed a \$500 million initiative to construct a regional AI supercomputing hub in Armenia, with

Firebird and U.S. Deepen Armenia Push With Phase 2 of AI Megaproject

With this agreement, those chips will power new data centers in Armenia. Building on a \$500 Million Foundation. Phase Two builds

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The power plant park in Armenia is relatively large compared to peak demand
However, large hydro plants and the nuclear power

Armenia Power Distribution Unit (PDU) Data Center Power Market

Historical Data and Forecast of Armenia Power Distribution Unit (PDU) Data Center
Power Market Revenues & Volume By Small

Data Center Solutions

OVI O operates the largest and most technologically advanced data center in
Armenia. It provides a secure, uninterrupted, and high

Armenia Energy Profile

Armenia also trades electricity with Georgia, though volumes are low since the
countries' networks are not synchronised. Energy

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.yachtchartercapetown.co.za>

Email: info@yachtchartercapetown.co.za

Phone: +27 21 863 4927

Address: 1st Floor, The Towers, 1 St George's Mall, Cape Town, 8001, South
Africa

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