

Eastern data and western computing and energy storage strength





Overview

What is the eastern data western computing plan?

Executive Summary: The “Eastern Data Western Computing” plan is a multiagency strategy that coordinates cloud computing data centers and energy infrastructure across the People’s Republic of China. These are increasingly relevant with the rise of artificial intelligence.

What is China's 'East data & West computing' project?

Please use Chrome, Firefox, Safari or Edge to play the video China has made significant progress in the "east data, west computing" project, a megaproject that aims to coordinate the computing capabilities of the country's eastern regions with inland western regions.

What is NDRC's 'east data & West Computing' plan?

Issued by four national agencies—NDRC, the Central Cyberspace Affairs Commission, MIIT, and the National Energy Administration—this plan formally established the “East Data, West Computing” strategy, redistributing digital infrastructure as a strategic economic and geopolitical move (NDRC, May 24, 2021).

Why is China moving data centers to the Western Region?

To address this, China has launched a bold initiative to relocate data centers to the western region, leveraging natural cooling, clean energy, and cost-effective resources. By 2030, this move is expected to reduce emissions from the data center sector by 16%–20%, generating direct economic benefits of approximately 53 billion USD.

Are data centers energy-intensive?

Data centers are crucial to computing and storage infrastructures, driving digital transformation across various industries. However, data centers are highly energy-intensive.



What percentage of China is eastern?

Although eastern China accounts for only 11% of the total land area of China, it accommodates 43% of the national population and generates 55% of the total GDP.



Eastern data and western computing and energy storage strength



Behind the AI Arms Race: U.S. vs. China Cloud Computing ...

The idea behind the Eastern Data Western Computing initiative is to allow these training tasks to be offloaded to data centers in resource-rich, remote regions where land, ...

Decarbonizing data centers through regional bits migration: A

To address this challenge, the Chinese government has launched an ambitious initiative, called 'Eastern Data, Western Computing', which aims to migrate computing ...



"Eastern Data and Western Computing" is in Full Swing

When it comes to the digitalization of the industry, this initiative is to facilitate better coordination of high-tech suppliers and provision of cloud storage, cloud computing, data tools, R&D ...

Network Construction: Beyond "Eastern Data and

...

Technically, "Eastern Data and Western Computing" is not only about simple data processing, rather, it helps to visualize flexible



business ...



[China's Latest National Infrastructure Project ...](#)

A new computing project in China aims to reorient the country's data processing capabilities while jumpstarting lagging growth in interior ...



['Eastern Data, Western Computing' Concept Soars! A ...](#)

In essence, 'Eastern Data, Western Computing' involves transmitting vast amounts of data from the eastern region, which is economically robust and generates a copious amount of data but ...



Guizhou launches Eastern Data and Western Computing project

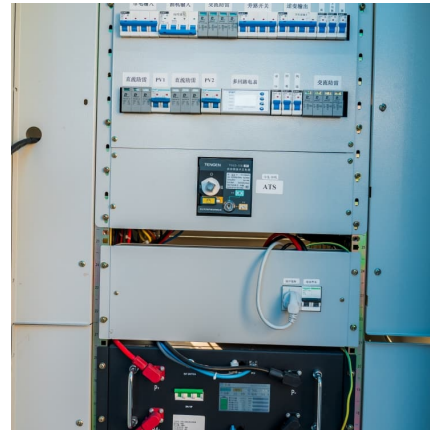
Southwest China's Guizhou province officially launched the "eastern data and western computing" project on Dec 22. The project will allow Guizhou to make full use of its position as a South ...





China's East Data West Computing Initiative

While Artificial Intelligence Generated Content (AIGC) has been dominating media and market attention, the "next big thing" has been developing rapidly in ...

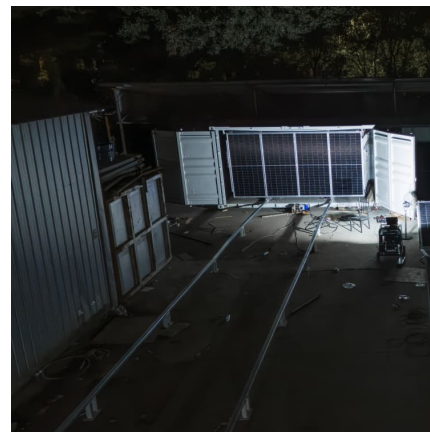


China's 'Eastern Data and Western Computing': State Policies ...

China's ambitious "Eastern Data, Western Computing" strategy reshapes its digital infrastructure landscape. It addresses the growing demand for computing power in ...

Why is China building AI centres on the roof of the world?

China launched its Eastern Data, Western Computing strategy in 2022 to shift data processing from eastern regions, where computing needs are intensive, to renewable ...



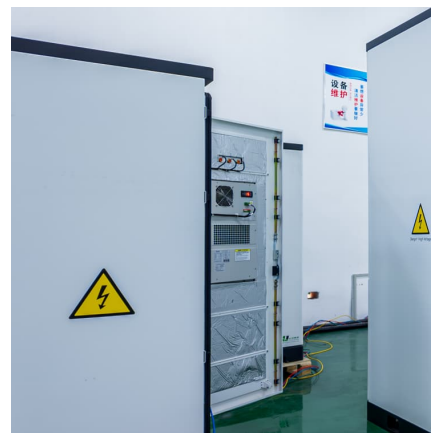
Eastern Data and Western Computing: The key cornerstone of ...

Through "Eastern Data and Western Computing", massive data from the eastern part of the country can be transmitted to the western region for processing through an ...



EASTERN DATA WESTERN COMPUTING

China is actively developing a national network to distribute computing power and address the oversupply of data centers. The initiative follows a period of rapid expansion ...



[Mega data project bolsters China's computing power](#)

China has made significant progress in the "east data, west computing" project, a megaproject that aims to coordinate the computing capabilities of the country's eastern ...



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[Why China has built an AI computing center in Tibet](#)

The facility is part of China's "Eastern Data, Western Computing" project and aims to make AI training tasks more energy-efficient. The center will use the region's cold ...

["Eastern Data and Western Computing" is in Full Swing](#)

The initiative also signifies that data and computing power are now becoming necessities for our production and life, on par with water and electricity. When it comes to the ...



China accelerates building of national computing power network

China has released an implementation plan on further carrying out the "east data, west computing" project and speeding up the construction of a national computing power ...

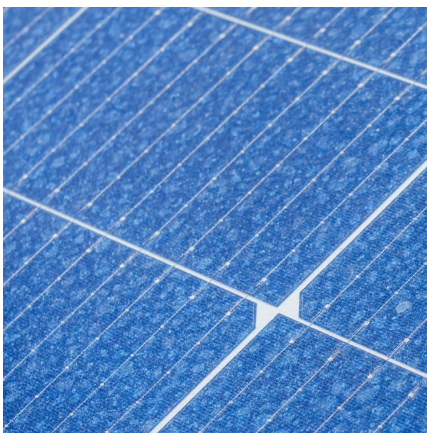
Energy and AI Coordination in the 'Eastern Data Western ...

Executive Summary: The "Eastern Data Western Computing" plan is a multiagency strategy that coordinates cloud computing data centers and energy infrastructure ...



Mega data project bolsters China's digital infrastructure

It aims to coordinate the computing capabilities of the country's eastern regions, where the need for computing is high, with inland western regions, where ...



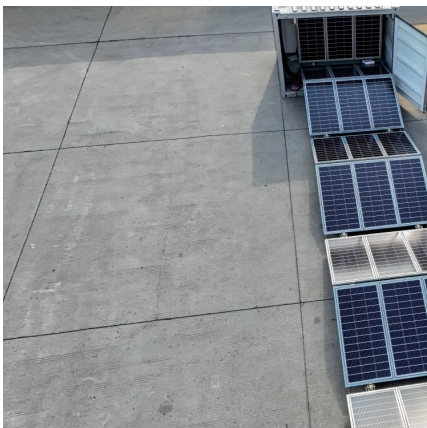
"Eastern Data and Western Computing" is in Full Swing

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Network Construction: Beyond "Eastern Data and Western Computing"

Technically, "Eastern Data and Western Computing" is not only about simple data processing, rather, it helps to visualize flexible business deployment for greater data ...





The "Eastern Data and Western Computing" Initiative in China

Even minimal packet loss during data transfer from eastern to western regions can lead to substantial waste of computing power and increased energy consumption.



Breaking through the bottleneck of intelligent power computing

Driven by the "Eastern Data and Western Computing" strategy, a number of super-large data centers have sprung up in the west, and new energy construction projects ...

IN THIS ISSUE

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Abstract As the world's largest digital economy, China has a significant demand for data centers, which are energy-intensive. With an annual growth rate of 28% in installed capacity, these ...



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Decarbonizing data centers through regional bits migration: A

As the world transitions towards a low-carbon economy, the data center industry is under increasing pressure to reduce its energy consumption and greenhouse gas emissions. To ...

First Zero-Carbon Data Centre In Qinghai Exemplifies Role Of ...

In 2022, China officially launched the "Eastern Data, Western Computing" (EDWC) project, with the objective of leveraging the substantial energy resources of the west, ...





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