

Laos Smart Energy Interconnection



Overview

The project encompasses a new 500kV substation in Laos, a 183.5km cross-border transmission line linking Namor in Oudomxay, Laos, with Xishuangbanna in Yunnan, China, and two 230kV lines connecting the northern Laos power grid. It is also the largest cross-border power grid project in terms of construction scale and the highest in voltage level between the two. The China-Laos 500-kV power interconnection project officially commenced operation on Monday, marking a historic breakthrough as overseas new-energy electricity participated in the China Southern Power Grid's regional market for the first time. The milestone was inaugurated with the delivery of KPL. The China-Laos 500kV power grid interconnection project was officially commissioned on Monday in simultaneous ceremonies held in Vientiane and Kunming, Yunnan Province, marking a major milestone in strengthening cross-border energy connectivity and mutual power support between the two. China's first 500-kV cross-border alternating-current power link went into operation Monday, marking a new step in energy cooperation between China and Laos. Once operational, the project will support a two-way electricity exchange capacity of 1.

Article Content

China-Laos 500 kV interconnection project goes into operation

As a major project included in the action plan on the China-Laos community with a shared future, the 500 kV interconnection represents another landmark achievement following the

China-Laos power interconnection project marks historic breakthrough

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Laos-China 500kV Power Interconnection Project Officially Begins

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China, Laos boost energy ties with new 500-kV cross-border power link

Since 2022, China and Laos have implemented a power-sharing mechanism, with more than 1.6 billion kWh of two-way electricity exchange recorded by the end of 2025. The new link is

Laos-China 500-kV power link project set for completion by 2026

The interconnection project bolsters economic growth, expands grid interconnections and electricity exchanges between Laos and southern China, and supports Laos' goal of becoming a

Rapid Progress in China-Laos Clean Energy Cooperation Project

Once operational, the project will support a two-way electricity exchange capacity of 1.5 million kilowatts between China and Laos, and provide approximately 3 billion kilowatt-hours of clean

Laos Section of Laos-China 500kV Power

The Lao section of the Laos-China 500kV interconnection in northern Laos is 80% complete, boosting clean energy and regional power

Construction begins on Lao section of China-Laos 500 kV power ...

The China-Laos 500 kV power interconnection project is a key initiative outlined in the action plan to build a China-Laos community with a shared future, with completion and operation

Laos and China launch landmark clean energy cooperation project

The project includes constructing a new 500 kV substation in Laos, a 183.5-kilometer cross-border transmission line linking Namor in Oudomxay, Laos with Xishuangbanna in Yunnan,

China-Laos mega power project opens channel for clean energy ...

Transmission lines of the China-Laos 500-kilovolt power interconnection project were fully connected on Thursday, marking a key milestone ahead of its planned full operation in April and opening a new

Laos and China launch landmark clean energy

Once operational, it is expected to help Laos become a regional hub for clean energy interconnection in the Lancang-Mekong area.

Charting ASEAN's Energy Future for Regional

The conference provided valuable insights for policymakers, focusing on six (6) prioritised topics: 1) Energy Transition and New Emerging

Connectivity and Resilience in the ASEAN Power Grid 2.0 under Laos ...

Sharon Seah and Mirza Sadaqat Huda examine Laos' potential role in leading regional energy interconnectivity in ASEAN.

A Study of System to System Lao PDR and Thailand

ABSTRACT This paper deals with a system to system power interconnection model from case study Lao PDR and Thailand. ASEAN Interconnection Master Plan-II (AIMS-II) and Thailand PDP2015 are

Laos, China Launch 500-kV Interconnection Project

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(PDF) THE ASEAN Power Grid 2.0: Lessons from the

Table 6 Selected Energy Policies/Planning Documents of LTMS Countries 20 Lessons from the Lao PDR-Thailand-Malaysia-Singapore Power

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The Laos-China 500-kV Interconnection Project, a key initiative under the China-Laos Community with a Shared Future Action Plan, is set to be completed and operational by 2026.

China's green development drives global energy transition China's ...

In Syria, Chinese-built photovoltaic installations are providing stable electricity to communities affected by years of conflict. In Laos, a China-Laos 500-kilovolt interconnection project

Laos, China launch landmark project on clean-energy cooperation

She also underscored the importance of implementing the consensus reached by the leaders of both countries and leveraging power grid interconnection to boost bilateral energy

China, Laos launch landmark clean energy project

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Laos, China Launch 500-kV Interconnection Project

Chinese Ambassador to Laos Fang Hong Ambassador Fang Hong highlighted that the Laos-China 500 kV Interconnection Project represents

Construction begins on Lao section of China-Laos 500 kV power ...

The launch ceremony for the construction of the Lao section of the China-Laos 500 kV power interconnection project was held in Lao capital Vientiane on Wednesday.

Laos'' Net-zero 2050: Renewable Power Generation Challenges and ...

Laos'' Net Zero Target In its submission to the UN in May 2021, Laos said it aimed to achieve net-zero emissions target by

Laos and China launch landmark clean energy cooperation project

Laos and China launch landmark clean energy cooperation project A groundbreaking ceremony for the China-Laos 500 kV Interconnection Project was held in the Lao capital of Vientiane

Laos, China power up ties in energy sector

VIENTIANE: Laos and China are stepping up cooperation in the field of energy, exemplified by the first Laos-China Power Technology Forum, which

How South-East Asian countries can cooperate to

With its uneven energy distribution, South-East Asia must enhance its energy interconnectivity. Infrastructure investment remains an important obstacle

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CGN Launches Construction of Laos' First 1 GW Solar

The Northern Laos Interconnected Clean Energy Base Project, developed by CGN, is a key supporting power project for China-Laos power

Work Begins on Lao Section of China-Laos 500 kV Power Interconnection ...

Work began on the Lao section of the China-Laos 500 kV power interconnection project on February 26 in the capital, Vientiane.

Laos, China 500kV Link to Drive Clean Energy Growth

Expected to be completed by 2026, the interconnection will allow power transmission to begin that year. Once operational, it will facilitate the exchange of

A Clear Path to Net Zero: Transforming Lao PDR's Energy Sector for

The Stockholm Environment Institute has released a new roadmap guiding Lao PDR's energy sector toward net zero emissions, emphasizing clean energy investment and sustainable policies to combat

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