



Laos foresight energy solutions

What is Laos energy security?

Laos Energy Security (LES) is a part of the U.S. Government's initiative: "Enhancing Development and Growth through Energy" (CLEAN EDGE Asia). CLEAN EDGE Asia supports expanded access to energy, promotes energy diversification and trade and integration of clean energy markets, and strengthens energy security throughout the Indo-Pacific region.

How can Laos influence the regional energy agenda?

As ASEAN Chair, Laos is uniquely positioned to influence the regional energy agenda. The AEBF-24 will serve as a critical platform for Laos to showcase its energy priorities, including enhancing energy security, promoting renewable energy, and advancing regional energy connectivity.

Is Laos a power hub?

As part of the Greater Mekong Subregion (GMS) and the Association of Southeast Asian Nations (ASEAN) Power Grid, Laos has been actively participating in cross-border power trade and interconnection projects. The country's strategic location, combined with its abundant hydropower resources, makes it an ideal hub for regional power trade.

How much power does Laos have?

With the Mekong River running through its territory, Laos has the ability to generate up to 28,000 megawatts (MW) of electricity from hydropower, making it the "Battery of Southeast Asia." Currently, the country has around 6,000 MW of installed hydropower capacity, with plans to increase this to 14,000 MW by 2030.

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USAID Laos Energy Security, a five-year activity funded by the United States Agency for International Development (USAID), supports the Government of Laos (GOL) efforts to improve the planning, policies, and performance of the Lao energy sector.

This article will explore the current trends in Laos' energy market and provide an outlook on its future development. One of the key drivers of Laos' energy market growth is the country's vast hydropower potential.

The agreement marks a significant step in expanding Laos' clean energy infrastructure, with a focus on integrating wind, solar, and water storage energy solutions across three northern provinces: Oudomxay, Phongsaly, and Luang Namtha.

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Futures Horizon to Sustainability Challenges of Lao PDR 2050: Adaptive Foresight Thinking and New Futures Perspectives to Energy and Natural Resource Planning in the Lao People's...

Laos leads discussions on renewable energy and regional cooperation to meet ASEAN's growing energy needs. The 24th ASEAN Energy Business Forum (AEBF-24) opened in Vientiane on 25 September, gathering policymakers, industry leaders, and energy experts to address ASEAN's energy future.

The three-day forum, hosted by the Lao Ministry of Energy and Mines (MEM) in collaboration with the ASEAN Centre for Energy (ACE), aims to strengthen regional energy cooperation and advance sustainable solutions for ASEAN's future energy needs.

The aim is to present some futures oriented analyses and discuss key planning challenges of Laos's energy economy and natural resource use. In this e-book these questions are linked to the Adaptive Foresight methodology, that has been used as general framework in interactive and participative projects in Lao PDR.

The event, which featured industry leaders and government officials, highlights Laos' growing commitment to sustainable technologies and solutions. Officials expressed the desire to collaborate with partners in ASEAN to advance policies and regulations that would promote the uptake of EVs in the region.

ASEAN member Laos has plans to increase renewable energy in its power mix, notably solar power buildout. However, it continues to rely on hydropower and coal-fired power plants to generate electricity, complicating both its way forward and decarbonisation plans.

