Thailand Energy Internet Pilot Project



Overview

Thailand is rolling out a pilot project that will allow data centers to directly purchase renewable power, a move that could make it easier for international tech giants to hit ambitious green goals in the developing nation. Thailand is implementing direct Power Purchase Agreements to attract data centre investments. June 26, 2025: Asian Institute of Technology hosted the Islanded Wave-Powered Microgrid Pilot for Remote Islands in Thailand (IsWEPT) Workshop. The event brought together international experts and Thai stakeholders to showcase advancements in ocean energy, microgrid control systems, and inclusive. EPPO opened applications for the DR program in 2022–2023, with EGAT serving as the DRCC and the distribution utilities (MEA/PEA) acting as Las. The implementation results for the year 2023 (January – December): EGAT is able to forecast electricity generation from all wind and solar power plants. EGAT and Italthai Engineering signed the purchase and construction contract of Smart Grid Pilot Project in Mae Hong Son Province to enhance energy security and stability with smart grid system, promote green tourism in accordance with the provincial vision, and aim at being the leader of smart grid. Thailand is reshaping its energy landscape with new draft regulations from the Energy Regulatory Commission (ERC). This reform marks a turning point.

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Article Content

Thailand Pushes for Renewable Energy to Attract Data

The National Energy Policy Council (NEPC) has approved a pilot project allowing up to 2,000 megawatts of renewable electricity trade under direct

Thailand''s Draft Regulation on Direct Power Purchase

On June 25, 2024, the National Energy Policy Council (NEPC) approved a pilot policy intending to enable data centers to directly procure

AIT Hosts IsWEPT Workshop to Advance Wave-Powered Microgrid

The IsWEPT project aims to develop an inclusive, islanded wave-powered microgrid system to enhance energy access in remote and isolated island communities across Thailand and

Thailand''s Smart Grid

Pilot Microgrid System Project in Rat Burana District (MEA) EPPO has conducted a study on promoting the use of net-zero energy microgrid systems in government facilities across the country.

EGAT develops Mae Hong Son Smart Grid Project to

The Smart Grid Pilot Project in Mae Hong Son Province, expected to complete in December 2022, aims to construct a 3 MW solar power plant

Thailand Data-Center PPA Reform Sparks Clean Growth

The move, known as the Thailand Data-Center PPA Reform, aims to let large-scale data centers buy renewable energy directly through the national

Thailand''s Direct PPA Pilot Project: A Paradigm Shift in Energy ...

For qualified investors, the pilot presents a rare and strategic opportunity: early movers can secure long-term renewable energy capacity, support Thailand''s clean-energy transition, and

Wave-Powered Microgrid to be Developed on Remote

(Source: Eco Wave Power) The remote Thai island of Koh Tao will soon be energized by a wave-powered microgrid. A consortium of companies and

Thailand to Trial System for Data Centers to Buy Green Power

Thailand is rolling out a pilot project that will allow data centers to directly purchase renewable power, a move that could make it easier for international tech giants to hit ambitious...

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Thailand''s Data Center Growth Accelerates with Clean

While Thailand''s electricity prices are relatively moderate compared to other ASEAN countries, the integration of data centers into clean energy

Innovate UK grants $1.9 million for wave energy project in Thailand

Swedish-Israeli wave energy developer Eco Wave Power Global (EWP) has announced winning a £1.5 million grant (almost $1.9 million) as a part of a consortium led by UK-based Toshiba

Thailand launches smart grid pilot project using renewable energy

The government of Thailand has kick-started the Smart Grid Pilot Project making use of renewable energy in the country''s mountainous northwest region where residents have lived with

Thailand BOI Approves Investment Applications Worth

BANGKOK, Oct. 11, 2023 /PRNewswire/ -- The Thailand Board of Investment (BOI) yesterday approved investment promotion applications worth a combined 41

Bangkok Post

The National Energy Policy Council (NEPC) has approved a pilot project that will allow businesses to purchase electricity directly from power

Progress of Thailand''s Village Broadband Internet Initiative

Recent Advances in Thailand''s Village Broadband Internet Project Building on this commitment, Thailand remains resolute in its efforts to offer

Navigating the ASEAN Power Grid and Thailand''s Emerging Green Energy ...

In an era defined by the global race toward Net Zero, the focus of energy strategy has shifted from mere generation to cross-border connectivity. In Southeast Asia, the ASEAN Power Grid

Next Stop Thailand | The Energy Market in Thailand

Verena: How is the market organized? Felix: Although the electricity market is liberalized with regard to generation, the supplier side is still de facto monopolistically structured. The state

GULF and Pandora Pioneer Virtual Power Purchase

GULF and Pandora pilot a Virtual Power Purchase Agreement in Thailand, promoting renewable energy and sustainable business practices.

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