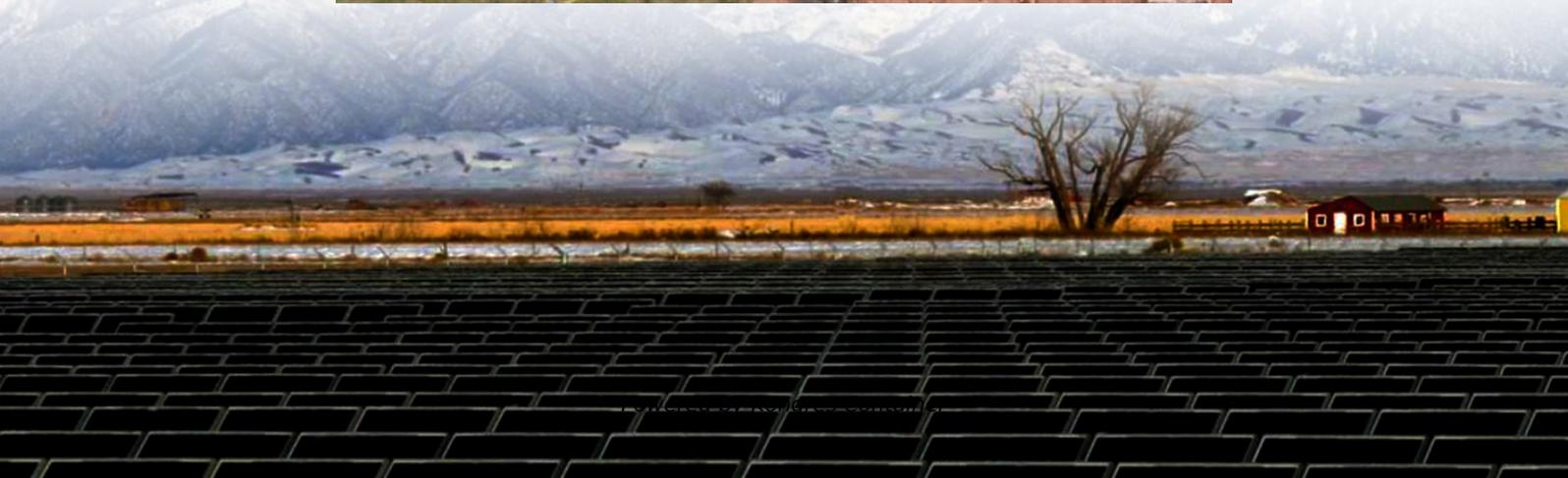


## Kongres Container

# Thailand s distributed energy storage high voltage grid connection



## Overview

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What is Thailand's energy policy?

Thailand has set policy guidelines for the energy sector. The goal is to promote Vision : Promote infrastructures development and management of necessary resources in the power distribution system. For support the energy transition to a modern grid system to be more efficient and environmentally friendly.

Who regulates the wholesale electricity market in Thailand?

However, the wholesale electricity market in Thailand is regulated by the government and related organisations such as the Department of Alternative Energy Development and Efficiency, Energy Policy and Planning Office (EPPO), and the Ministry of Energy, Energy Regulatory Commission.

How much power does Thailand have?

Thailand's total generation installed capacity, as of March 2017, was about 55,600 MW. (The total capacity reported is the total generation installed capacity including independent power systems. Thus, the number in this report is higher than other official national power development plans (PDPs) which excludes the independent power systems).

How is Thailand reimagining its electricity ecosystem?

With renewable targets exceeding 50% of its future power mix, Thailand is methodically reimagining its entire electricity ecosystem. The country's pragmatic approach to this massive transformation reflects a distinctly Thai characteristic—embracing change while carefully preserving stability and economic competitiveness.

Which sector consumes the most electricity in Thailand?

The highest electricity consumption comes from the industrial sector (42%), followed by the residential sector (24%), the business sector (19%), and other

sector (15%). The country's electricity consumption in 2016 grew as expected because of Thailand's economic growth of 3.2%. Thailand and Malaysia of 300 MW (0.7%).

Are data centres a major new load category in Thailand?

An intriguing subplot in Thailand's energy transition is the rapid emergence of data centres as a major new load category. Following Thailand Board of Investment (BOI) announcements supporting data centre development, utilities report receiving numerous connection requests, collectively totalling several gigawatts of potential demand.

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