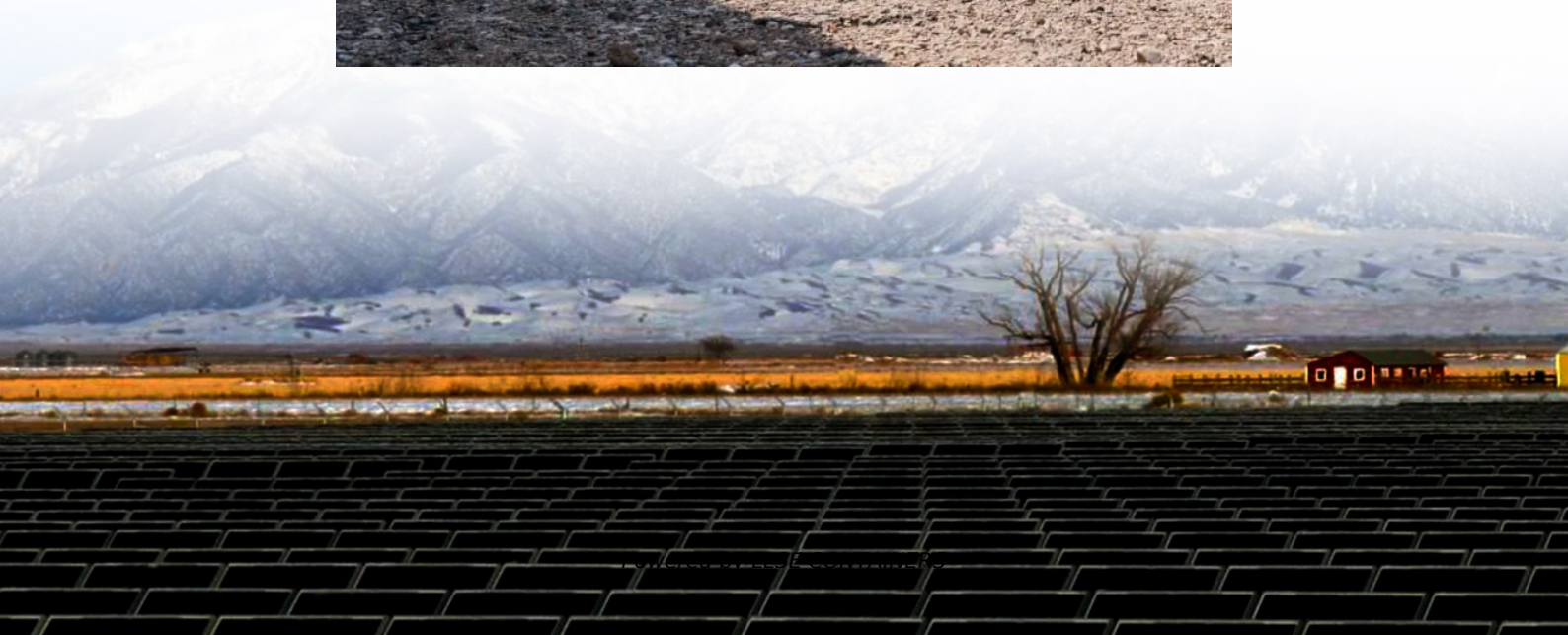


Wind and Solar Energy Storage Project in Chiang Mai Thailand





Overview

Are there grid-scale energy storage projects in Thailand?

There are currently few grid-scale energy storage projects in Thailand, although the situation is likely to change. In furtherance of its commitments under the Paris Agreement, the Thai government has enacted policies which envisage renewable energy accounting for the majority of grid capacity and output by 2040.

What percentage of Thailand's electricity is solar and wind?

Solar and wind power accounted for only 5.6% of Thailand's domestic electricity supply in 2024, BNEF estimates. BNEF's Net Zero Scenario shows that solar and wind can supply 60% of Thailand's electricity in 2050 while strengthening the country's energy security and eliminating emissions.

How will the energy transition affect Thailand's thermal power plants?

Thailand's current thermal power plants typically supply heat (along with power) to purchasers in neighbouring industrial estates. As the energy transition results in fewer power plants fuelled by coal and natural gas, industry will need to procure heat from alternative sources.

Is energy storage a new business model in Thailand?

Energy storage is in its infancy in Thailand, and new business models are already emerging. As the regulatory framework adapts to accommodate new players in the market, we expect to see greater penetration in this area. Notes Energy Policy and Planning Office, Ministry of Energy, electricity statistics



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