

Energy storage for backup power thailand

The projects are part of Thailand's ambitious renewable energy feed-in-tariff programme, aimed at doubling its installed wind and solar capacity by 2030 and progressing the country towards its renewable energy targets.

ADB, acting as the mandated lead arranger and bookrunner, has structured the financing package, which includes \$260m from its own capital resources and \$529m in parallel loans from international financial institutions.

ADB private sector operations director-general Suzanne Gaboury stated: "This portfolio of projects significantly enhances solar energy and solar energy with battery storage in Thailand, marking a major step forward in the country's goal of achieving carbon neutrality.

"By integrating battery storage with solar power, these projects will help to provide clean energy during non-daylight hours, grid stability and facilitate further integration of solar power which will enhance Thailand's energy mix."

Gulf CFO Yupapin Wangviwat stated: "Support from institutions like ADB, and the catalytic role they have in mobilising the necessary capital to develop large-scale projects, is pivotal to Thailand's renewable energy sector.

GC, and GPSC, have joined together to begin operations of a Smart Energy Storage System (ESS) that can run at a full capacity of 1.5 megawatt-hours (MWh) to be used as a back-up power system for the biggest industries in Thailand. The project aims to increase the stability and efficiency of power systems for office buildings and GC's Innovation and Technology Center in Rayong province. The ESS will reduce electricity costs by 520,000 electrical units, or 8.7% per year. It is a prototype for PTT Group's energy technology and innovations.



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