

Power Technology

Projects May 5 2023

Monsoon wind farm, Laos

The 600MW Monsoon onshore wind farm in Laos is expected to begin power production in 2025.

Project Type

Onshore wind farm development

Location

Sekong and Attapeu, Southern Laos

Operational Capacity

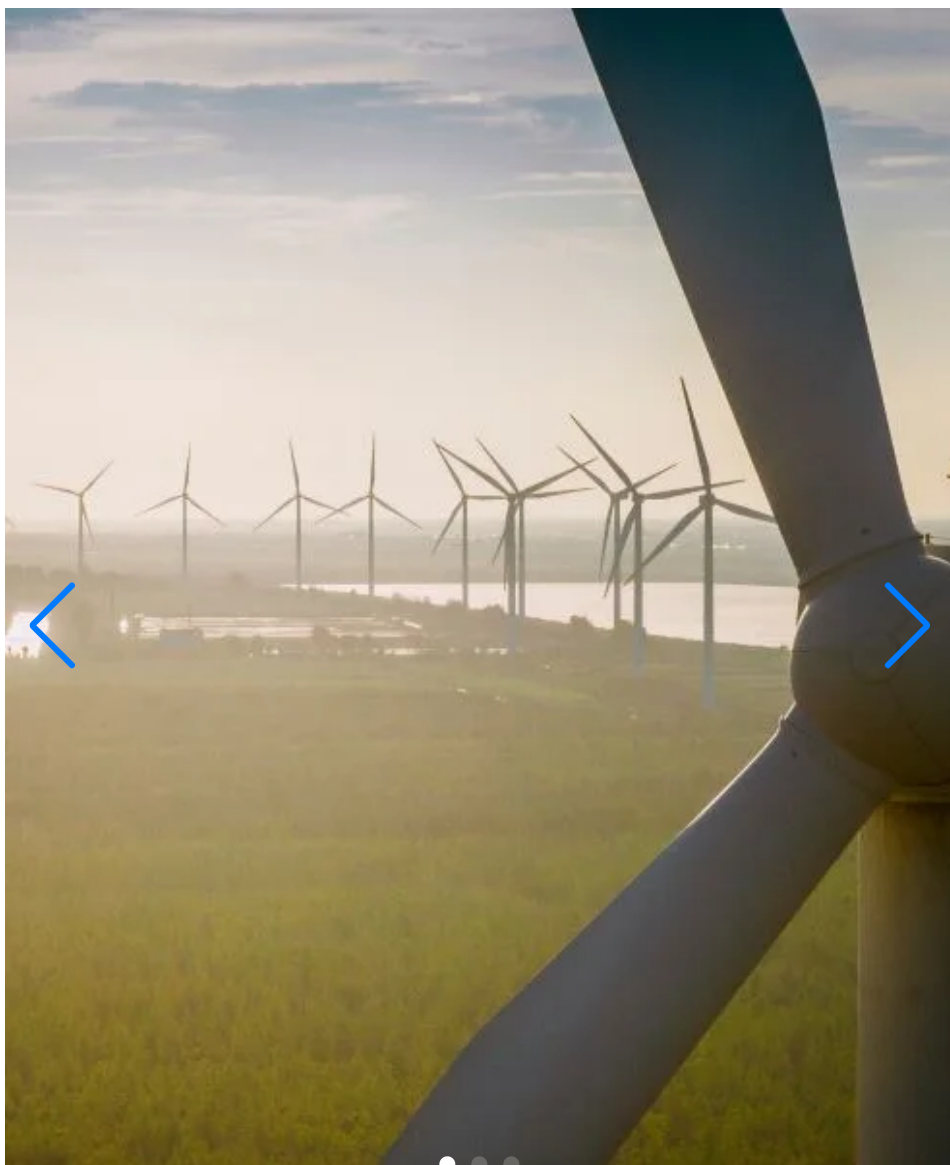
600MW

Developer

Monsoon Wind Power

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The Monsoon wind farm is the first wind project to be developed

The Monsoon wind farm is a 600MW onshore wind project being developed in the southern part of Laos. It is the first and the largest wind farm to be developed in the country and the first cross-border renewable energy project in the ASEAN area.

The \$950m project is being developed by Monsoon Wind Power, which was established by a group of companies including Mitsubishi through its subsidiary Diamond Generating Asia, ACEN Renewables International,

Impact Electron Siam (IES), STP&I, BCPG and SMP Consultation.

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network.

Details of the power plant's construction

The Monsoon wind project will feature 133 EN-171 onshore wind turbines. Each EN-171 wind turbine will generate 4.51MW of electricity and will have a rotor diameter of 171m, a hub height of 110, a swept area of 22,965m² (247,193ft²) and a blade length of 83.9m.

The project includes the development of internal 33/115kV substations, a 115/500kV substation and 180km of internal road system, along with the development of underground and above-ground collector transmission



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providing the financing package.

Power purchase agreement

A MoU on power interchange was signed between the Vietnamese and Laotian governments in October 2016.

The electricity generated by the wind farm will be supplied to Vietnam under a 25-year power purchase agreement signed between IEAD and Vietnam Electricity in 2021, which was amended in January 2022.

The plan for importing power produced from the wind farm to Vietnam’s grid was approved in July 2022 by the

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