

## Solar industry laos

The US\$69.2 million Solar Attapeu Power Project (SAPP) project, which includes a 115kV transmission line, is based in the southeast province of Attapeu and is due for completion in late 2023, according to Laos' state news agency Vientiane Times.

SAPC has been working on the project since 2014 in cooperation with the government of Laos. The plant is expected to generate 128GWh of power annually, which will be supplied to state utility Electricite du Laos under a 30-year power purchase agreement (PPA).

Last year, French power giant EDF secured a contract to lead the development of a 240MW floating PV project co-located on the reservoir of the 1.08GW Nam Theun 2 hydropower project in Khammouane province, Laos.

Laos Solar Photovoltaic market currently, in 2023, has witnessed an HHI of 8122, Which has decreased moderately as compared to the HHI of 8598 in 2017. The market is moving towards Highly concentrated. Herfindahl index measures the competitiveness of exporting countries. The range lies from 0 to 10000, where a lower index number represents a larger number of players or exporting countries in the market while a large index number means fewer numbers of players or countries exporting in the market.

The Vietnamese authorities have approved a new price framework for importing renewable energy from Laos, with base import prices for wind and hydropower set to take effect at the end of 2025.

SolarSpace, a China-based PV cell and module manufacturer, announced the first phase of a 5GW high-efficiency solar cell plant in Laos, giving momentum to its overseas production capacity.

A group of researchers from the US National Renewable Energy Laboratory assessed the potential for floating PV (FPV) plants at reservoirs and natural waterbodies in 10 Southeast Asian countries. It found that the overall FPV technical potential for the region ranges from 477 GW to 1,046 GW.

While near neighbors, the electricity generation of the countries of Southeast Asia couldn't be further apart. Indonesia burns locally mined coal; Malaysia has reserves of oil and gas; and populous Singapore, Vietnam, and the Philippines depend on fossil fuel imports. They could all benefit from increased solar electricity but higher grid capacities and interconnection are key for an opportunity to unlock the power of the sun.

Indonesia will have to get to work installing more than 24 GW of solar this year - and every year - if the region is to achieve the 2.1 TW to 2.4 TW of photovoltaics Irena has estimated it will require to achieve a net zero carbon energy system by 2050.



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The Energy Market Authority has already attracted proposals for 1.2 GW of renewable electricity, to be generated in four southeast Asian nations, and wants to raise that figure to 4 GW by 2035.

EDF is planning to build a 240 MW floating PV project at Laos's largest hydropower dam. French engineering company Innosea has joined the ambitious project as a provider of support for wave and anchoring studies.

With pressure mounting on the world's governments to turn their back on the fossil fuel, China and peers in South East Asia, Europe and South Asia could help deliver a coal-free future at the COP26 climate summit planned in Glasgow in November.

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