

Can the world's largest floating solar farm help Thailand reach net zero?

The world's largest floating solar farm, which is located in north-eastern Thailand, went into operation a year ago. With over 144,000 solar panels, the farm is the size of 70 football fields. But can this floating solar farm help Thailand reach its net zero goal faster?

Will Thailand achieve its PV benchmarks using only floating solar farms?

Of course, it is not realistic to think that Thailand will achieve its PV benchmarks using only floating solar farms. With the high levels of PV radiation in many parts of the country and the availability of land for construction, floating PV farms may play an auxiliary role.

Could floating solar panels help Thailand decarbonise its energy sector?

It is the first of what could be many similar floating solar panel projects rolled out across Thailand, as the country takes early steps to decarbonise its energy sector. The emerging technology is showing promise and generating interest throughout Southeast Asia.

How many solar panels are there in Thailand?

Installed on the surface of the water are 144,000 separate solar panels, the equivalent of 100 football fields. The 45 megawatts of peak power the project can produce complements the existing dam operations, which can generate an additional 36MW, and provide electricity across three provinces in eastern Thailand.

Does Thailand have the world's biggest solar farm?

Thailand creates world's biggest solar farm- but not everybody is happy about it. In Thailand's northeastern province of Ubon Ratchathani, a reservoir has been transformed into a shimmering network of solar panels - capable of reducing the kingdom's carbon emissions by 47,000 tonnes every year.

Could Thailand lead the way in floating solar?

Other countries in SouthEast Asia could follow the lead of Thailand with the hopes of diversifying their energy options. China and India have helped lead the way in floating solar, but it will be beneficial to see a smaller country adapt this new tool to fit their energy needs.

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State-run Electricity Generating Authority of Thailand (EGAT) will float 16 solar farms with a combined capacity of more than 2.7 gigawatts on nine of its hydroelectric dam reservoirs by 2037, said Mr Thepparat Theppitak, a deputy ...

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1. Development prospects of solar power in Thailand. At present, traditional fossil energy sources such as natural gas and fuel oil still dominate Thailand's energy structure, and their use for power generation and transportation of domestic household electricity as well as industrial and commercial electricity are generally based on this traditional energy source.

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These two factors convinced Thailand's state utility, the Electricity Generating Authority of Thailand, to draw up ambitious plans to construct 16 floating solar farms at nine hydropower reservoirs across the country - making a major ...

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