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Cambodia Lian New Energy Gas Station



Overview

Should Cambodia integrate a 900 MW liquefied natural gas power plant?

Cambodia's plan to integrate a 900-megawatt (MW) liquefied natural gas (LNG)-fired power plant into its electricity system is a risky proposal. Other countries in the region, reliant on LNG imports, have seen global market disruptions impair energy security and affordability.

How do new buyers buy LNG in Cambodia?

New buyers like Cambodia typically acquire LNG in two ways. LNG can be purchased from spot markets or through multi-year contracts, which establish volumes and pricing methods over the contract term. Each option entails various risks for energy security and cost that are critical for Cambodia.

Will Cambodia's first power plant run on gas?

If it's completed and running by 2027, the project would become the country's largest operational power plant, and its first to run on gas. Cambodia does not produce its own gas, so the project requires the infrastructure to import the fuel in its cold, liquid form, then reheat it for combustion in the plant.

Will liquefied natural gas play a major role in Cambodia's energy future?

However, Cambodia does not produce its own natural gas, so the project will also require infrastructure to import the fuel in cold, liquid form and reheat it for combustion in the power plant. Some analysts expect that liquefied natural gas (LNG) could play a massive role in Cambodia's energy future. This is a risky proposition.

Will liquefied natural gas re-gasify super-chilled fuel in Cambodia?

As part of the project, Cambodia is exploring construction of a liquefied natural gas (LNG) terminal to import the super-chilled fuel and re-gasify it for use in the power plant, Energy Minister Keo Rottanak said.

Will importing LNG affect Cambodia's energy system?

“Since gas has historically not played a role in the country’s energy system, the introduction of imported LNG and its associated infrastructure could result in high fuel and power bills for the Cambodian economy.” Cambodia’s official energy plans target generating 70% of Cambodia’s power from renewable sources by 2030, up from 50% in 2023.

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