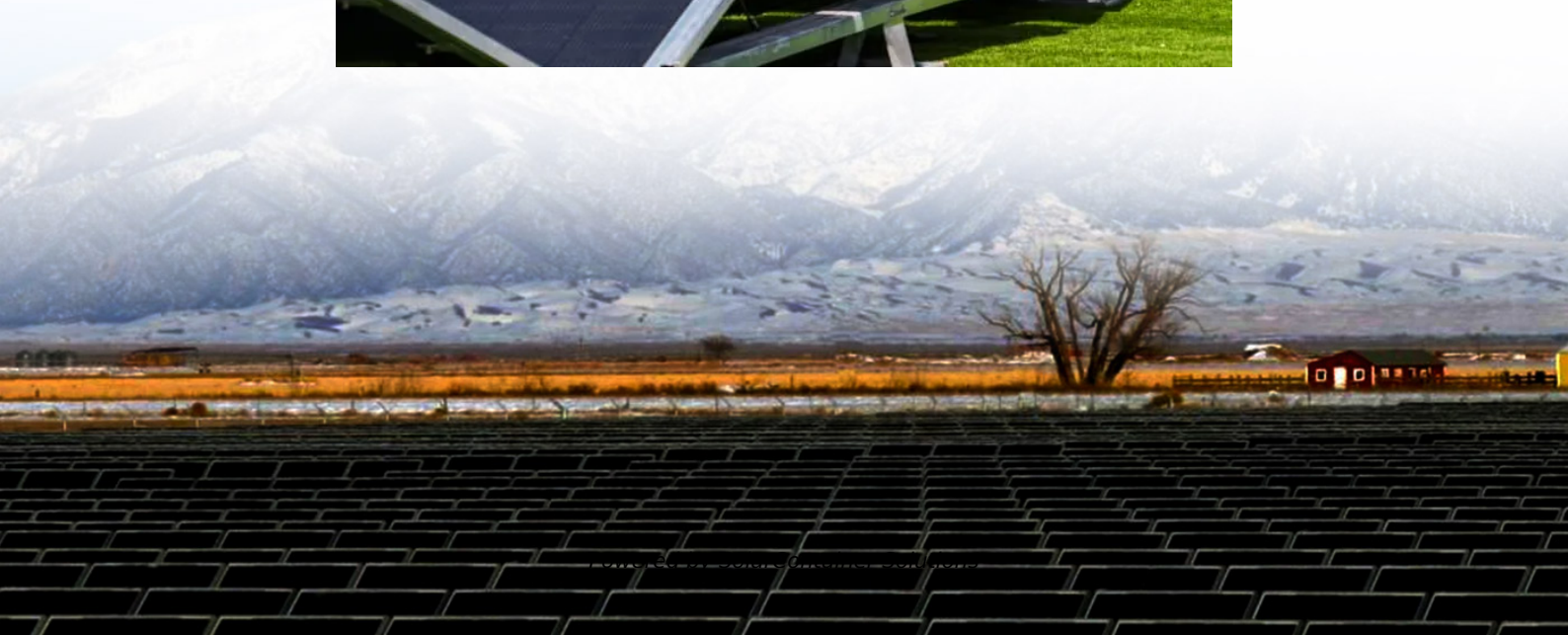


What does the company's energy storage project refer to





Overview

What is an energy storage system?

An energy storage system (ESS) for electricity generation uses electricity (or some other energy source, such as solar-thermal energy) to charge an energy storage system or device, which is discharged to supply (generate) electricity when needed at desired levels and quality. ESSs provide a variety of services to support electric power grids.

What is a battery energy storage project?

A battery energy storage project is a system that serves a variety of purposes for utilities and other consumers of electricity, including backup power, frequency regulation, and balancing electricity supply with demand.

Why is energy storage important?

Energy storage serves important grid functions, including time-shifting energy across hours, days, weeks, or months; regulating grid frequency; and ensuring flexibility to balance supply and demand.

Do energy storage systems save the day?

This is where energy storage systems (ESS) save the day. Since some renewable energy sources, including solar and wind, produce power in a fragmented manner, ESS play a vital role in green energy infrastructure by stabilizing the electricity supply.

What are the different types of energy storage systems?

In practice these systems can include ice storage systems that use electricity to freeze ice which can later be used to run a cooling system, or a heating system that heats bricks in a furnace to later provide heat to a building. Fuel cells: hydrogen fuel cells comprise a third category of energy storage system.

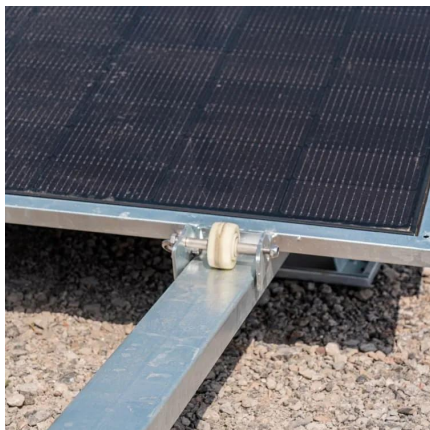
What is the 'value stack' in energy storage?



Owners of batteries, including storage facilities that are co-located with solar or wind projects, derive revenue under multiple contracts and generate multiple layers of revenue or 'value stack.' Developers then seek financing based on anticipated cash flows from all or a portion of the components of this value stack.



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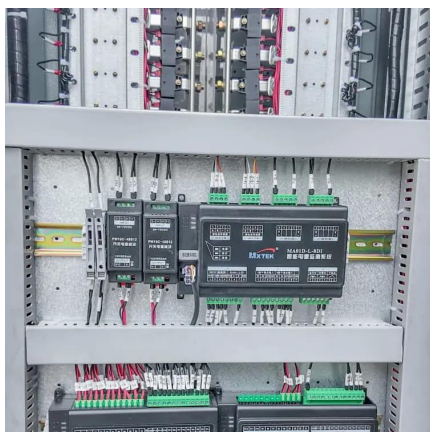
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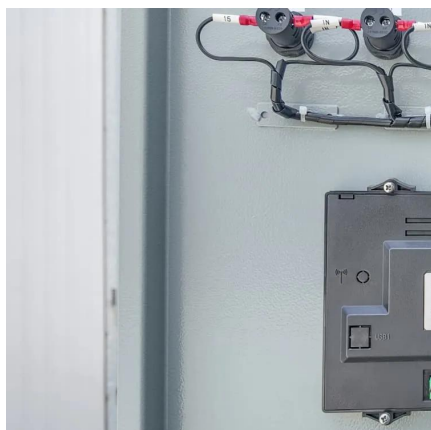
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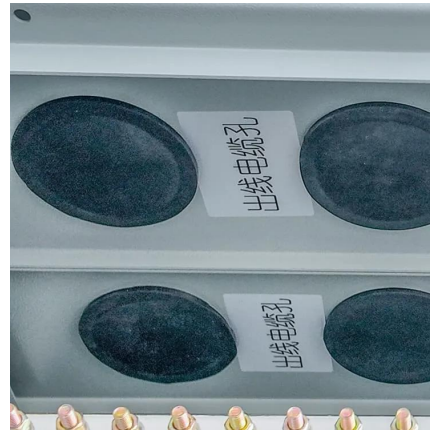




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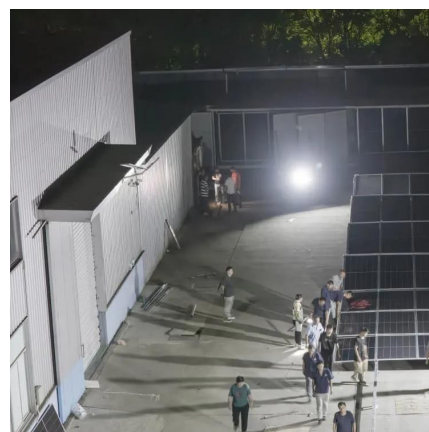
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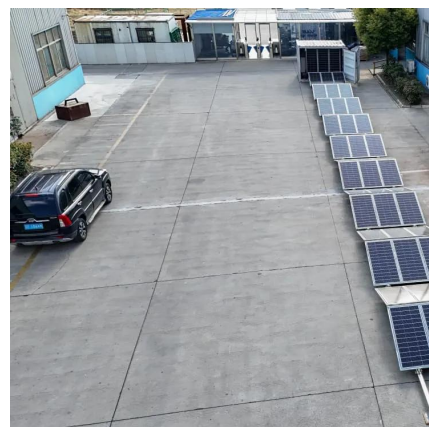
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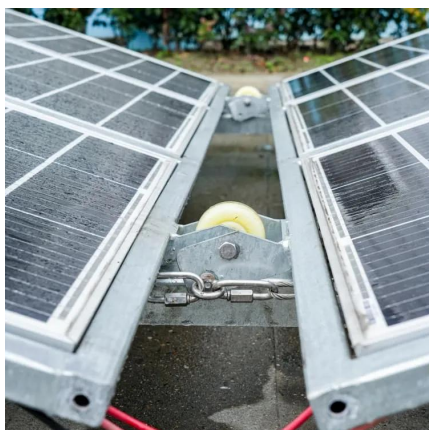
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Energy Storage

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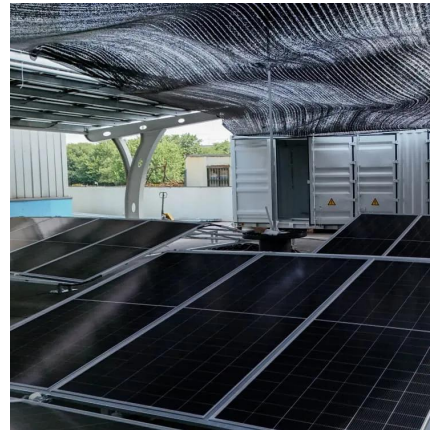




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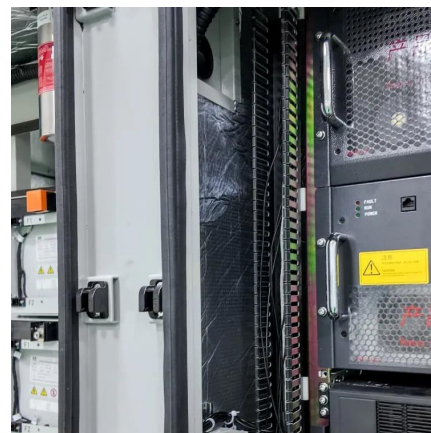
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