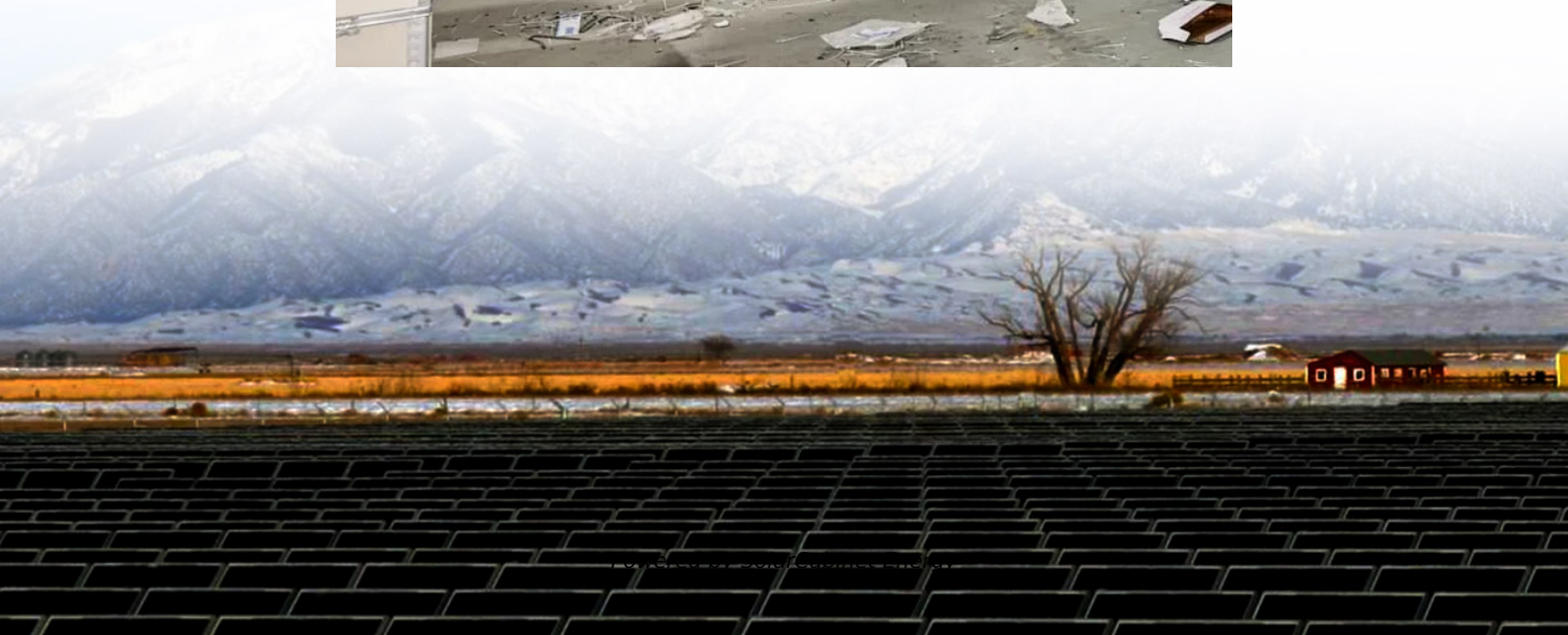


Do new energy products include energy storage





Overview

How is energy storage changing the world?

Energy storage has seen amazing breakthroughs in recent years thanks to advanced research and development. These technologies are changing the scene, from innovations in battery chemistry to gravity-based systems and AI-driven energy management.

Why do we need energy storage solutions?

As the global energy transition accelerates, the need for reliable, scalable and cost-effective energy storage solutions has never been greater.

What is the future of energy storage?

The future of energy storage is unfolding before our eyes, reshaping how we power our world. It's like watching the early days of smartphones—we know we're witnessing something revolutionary, but the full impact is still unfolding. For those wondering where this technology is heading, the trends are clear and exciting.

How many GW of energy storage do we need?

That's approximately 1,500 GW of energy storage, with batteries expected to provide about 1,200 GW of that total. Looking further into the future, the picture gets even more ambitious. To keep global warming below 2°C, we need to triple our storage capacity by 2050 – from 140 GW in 2014 to at least 450 GW.

Does energy storage create jobs?

The growth of energy storage isn't just creating cleaner power – it's creating jobs too. The sector is expected to generate 1.5-2.1 million direct job-years in the United States alone over the next three decades. That's a lot of paychecks! But it also means we need training programs and educational pathways to prepare this workforce.



How have batteries changed the energy storage industry?

Batteries continue to lead the charge in energy storage growth, with some fascinating developments shaping their evolution: Battery prices have taken a remarkable journey, dropping by a whopping 97% since 1991. That's like seeing a \$30,000 car from the '90s now costing just \$900!



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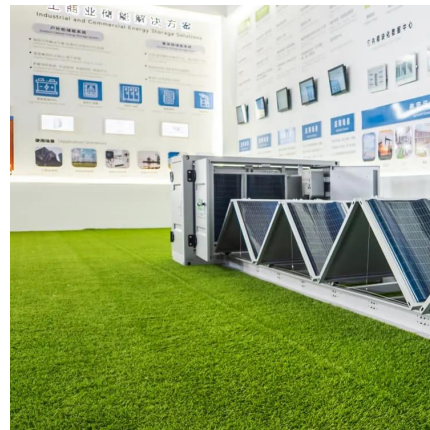


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