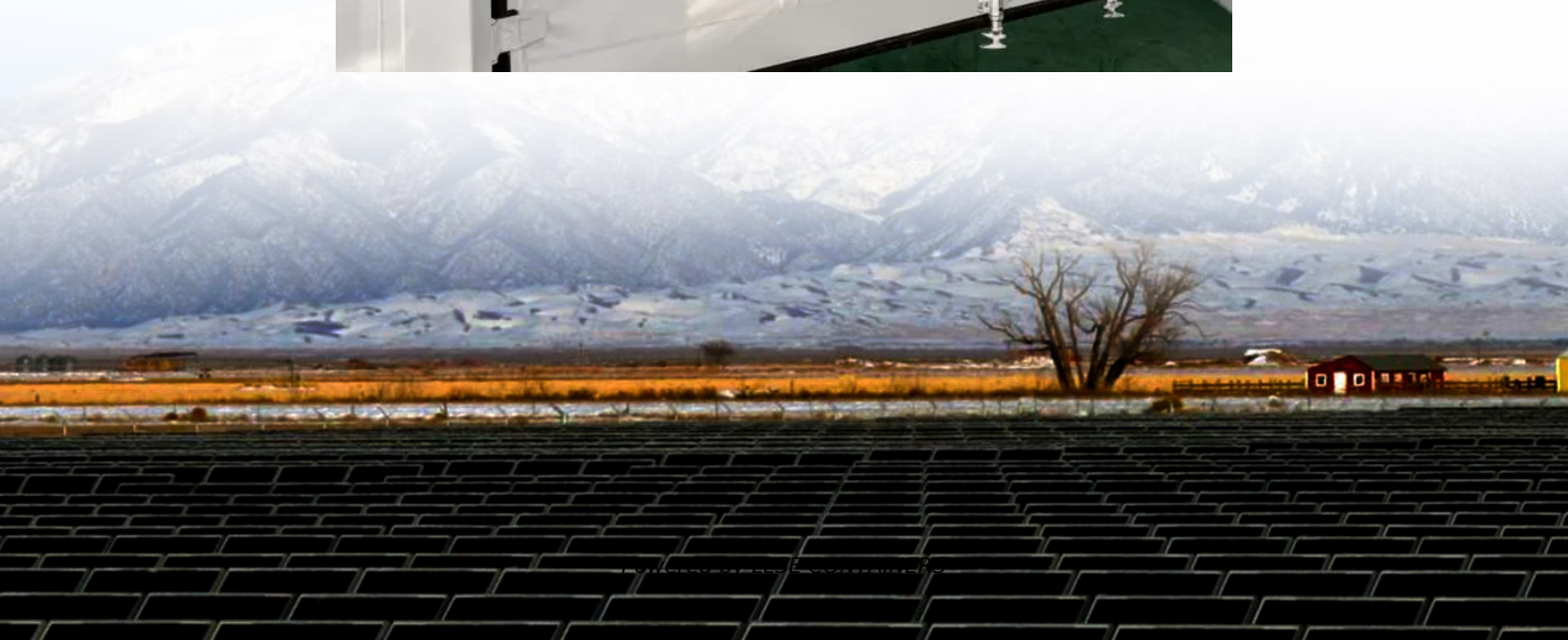


EU Energy Storage Charging Pile





Overview

How does energy storage work in the EU?

The main energy storage method in the EU is by far 'pumped storage hydropower', which works by pumping water into reservoirs when there is an electricity surplus in the grid - for example on a sunny or windy day - and releasing it when more energy is needed.

What is the European energy storage inventory?

In March 2025, the Commission launched the European Energy Storage Inventory, a real-time dashboard that displays energy storage levels across different European countries. It is the first European-level tool of its kind and offers energy storage data across a full range of technologies.

How can the Energy Union help build a sustainable industrial base?

The comprehensive governance framework of the energy union and the strategic action plan on batteries (annex 2 to the Communication on sustainable mobility for Europe (COM/2018/293)), were important steps to help build a globally integrated, sustainable and competitive industrial base for batteries in the EU.



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