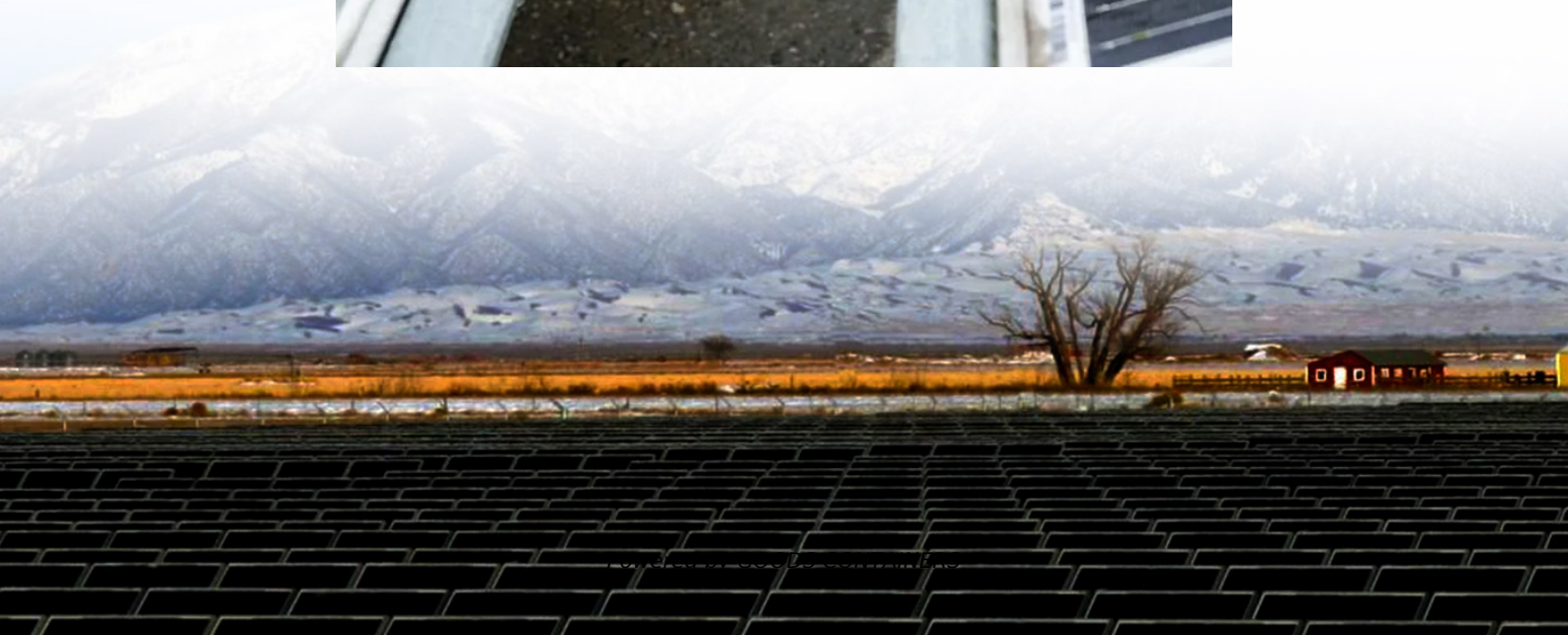


Amsterdam Solar Base Station Flow Battery





Overview

What is Schiphol doing with an iron flow battery?

Schiphol – a Corporate Partner of the FTE Digital, Innovation & Startup Hub – is taking a major step towards energy storage and the further electrification of ground equipment by trialling an Iron Flow Battery. Photo: Roger Cremers.

What is a flow battery?

Please contact us for more information. Flow batteries are emerging as a transformative technology for large-scale energy storage, offering scalability and long-duration storage to address the intermittency of renewable energy sources like solar and wind.

Are aqueous sulfur-based redox flow batteries suitable for large-scale energy storage?

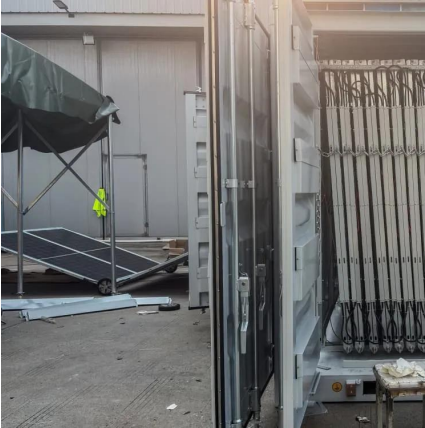
Nature Reviews Electrical Engineering 2, 215–217 (2025) Cite this article
Aqueous sulfur-based redox flow batteries (SRFBs) are promising candidates for large-scale energy storage, yet the gap between the required and currently achievable performance has plagued their practical applications.

Could an iron flow battery be a cheaper way to store solar energy?

Schiphol Airport in the Netherlands is testing an unusual kind of battery that could prove to be a better, cheaper way to store wind and solar energy. Developed by US startup ESS, the device is known as an iron flow battery. The airport is currently trialling the technology to power some of its electric ground power units.



Amsterdam Solar Base Station Flow Battery



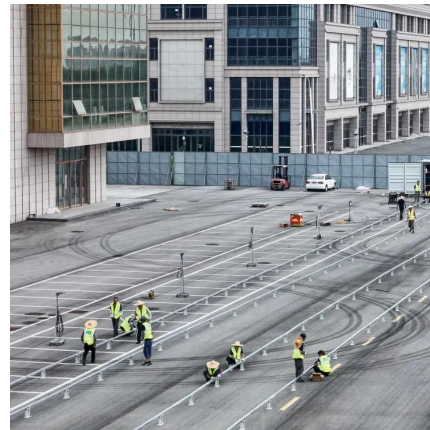
[Wereldprimeur Schiphol met superbatterij Iron Flow Battery](#)

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June 2024 In a world exclusive, Schiphol is taking a major step toward energy storage and the further electrification of ground equipment with the arrival of an Iron Flow Battery at the airport.

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[Amsterdam Airport Schiphol tests innovative iron flow battery...](#)

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