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EU s new flow battery

Overview

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strengthening Europe’s approach to energy resilience and grid stability. need for long-duration storage. stability during periods of low wind and solar output. The flow battery does not rely on the use critical raw materials, thereby also ensuring energy storage security as well as energy security.

Ali Tuna from Modern Battery (MoBat) Group of the University of Turku in Finland introduces a new neutral-pH flow battery that tackles Europe’s energy storage and materials dependency challenges – offering a safer, scalable alternative to vanadium systems. Europe is undergoing the fastest energy.

20 October 2025: The Flow Batteries Europe Secretariat had the opportunity to participate at the 8th edition of the Energy Storage Global Conference (ESGC2025), co-organised by the Energy Storage Europe Association and CLERENS in Brussels, Belgium. The three-day conference gathered policymakers.

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Picture this: an underground salt cave in northern Germany storing enough clean energy to power 75,000 homes through winter nights. This isn't sci-fi - it's Europe's latest flow battery project using saltwater and recyclable polymers. As the continent races toward 2030 climate targets, flow battery.

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