

Finland battery swapping platform

When did the smart mobility & batteries from Finland program end?

The Smart Mobility and Batteries from Finland program ended on December 2022. The program helped Finnish companies to benefit from business opportunities in transport, logistics and mobility services and to create a significant Finnish battery industry.

Is Finland a good place to invest in batteries?

As the only country in the world capable of managing the entire battery value chain, from mineral extraction to recycling, Finland is uniquely positioned to respond to the surge in demand for batteries stemming mostly from the rapid proliferation of electric vehicles in Europe.

What's happening in Finland's battery cluster?

Photo: Wegevion/Sibanye-Stillwater's Keliber lithium project. Finland's battery cluster's current growth prospects remain very positive as the green transition and the electrification of the transport sector continue to increase the demand for raw materials and battery chemicals.

Is industrial production a good idea for batteries in Finland?

Industrial production is not the be all and end all for batteries here in Finland. Other companies, such as Finnish renewable material producer Stora Enso, are coming up with novel solutions. The company has signed an agreement with Swedish battery developer and producer Northvolt to develop wood-based batteries.

What are some small-scale battery innovations in Finland?

Other smaller-scale battery innovations in Finland are also gathering momentum. Polar Night Energy and Vatajankoski recently teamed up to create a sand-based thermal energy storage system. In what is touted as a world first, the solution converts electricity to heat which is stored in the sand to be used in a district heating network.

What is Finland's battery strategy?

Another goal of Finland's battery strategy is to seek out new customers and create commercial opportunities for Finnish battery companies predominantly in Europe and the Nordic countries. Recent news from the west coast of the country aligns with this focus.

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The EU Battery Alliance is calling for 10-20 gigafactories to be established in Europe in response to the fast-growing demand for batteries in the electric vehicle market and other sectors. Finland offers prime platform with world-class expertise across the battery production value chain. BUSINESS OPPORTUNITIES

IN FINLAND ENERGY STORAGE

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Virta, a frontrunner in electric vehicle charging platforms, collaborates with Business Finland, benefitting from innovation funding and loans for its R& D efforts. Now entering a phase of swift international growth, Virta's latest endeavor aims to integrate EV batteries into the power grid, addressing the surging need for energy flexibility.

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In early 2021, Finland outlined a national battery strategy aspiring to elevate its industry to pioneering status by 2025. The significance of this goal is pressing: the value of the European battery market is tipped to reach 250 billion euros by that year driven by significant carbon reduction milestones looming Europe in the near future.

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The Finnish company will supply 85 megawatts of proprietary battery technology for a project to develop distributed energy storage systems. Such systems utilise batteries to rapidly remove electricity generated at times of excess supply and discharge the electricity into collocated long-term storage that is able re-deliver the electricity in a ...

The Battery Strategy outlines the measures that can help Finland become an internationally important actor in the battery and electrification sector. The preparation of the strategy reinforced the perception among the authors that achieving the objective is possible but there is no time to lose.

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