

Finland's relatively large heavy industry sector and the high heating demand from its cold climate are the main reasons for the high energy intensity of its economy and energy ...

Finnish researchers have installed the world's first fully working "sand battery" which can store green power for months at a time. The developers say this could solve the problem of year ...

Finnish investment manager Innovestor has initiated a EUR20 million energy storage project focusing on decentralized systems installed in commercial properties across Finland. This effort aims to address fluctuations ...

The report presents a range of different technologies available for storing ...

Introduction. Finland has set a target for a 39% reduction in greenhouse-gas emissions by 2030 and an 80-95% reduction by 2050 [].The European Parliament has also ...

Finnish Energy gathered a current perspective on the development needs, direction, and challenges of the energy system. This utilised a wide range of domestic and ...

Finnish companies Polar Night Energy and Vatajankoski have built the ...

Ardian, a private investment house, in partnership with its operating platform ...

This paper has provided a comprehensive review of the current status and developments of energy storage in Finland, and this information could prove useful in future ...

The report presents a range of different technologies available for storing electricity in some form of energy, and considers different technologies" potential in Finland, ...

Finnish company Polar Night Energy is rapidly advancing the development of an industrial-scale Sand Battery. This sustainable energy storage solution is being constructed ...

In the power sector, 21% of demand was satisfied by electricity storage discharge, with the majority (87%) coming from vehicle-to-grid (V2G) connections. Grid gas ...

This report provides an initial insight into various energy storage technologies, continuing with an in-depth techno-economic analysis of the most suitable technologies for Finnish conditions, ...

One such business is the Finnish smart technology group, W&#228;rtsil&#228;, which develops solutions for the marine and energy markets. In July 2021, the company launched a major test programme ...

The need for grid-scale energy storage is growing every year as the green transition requires more flexibility from the electricity grid. Electricity production must at all ...

This paper has provided a comprehensive review of the current status and ...

Ardian, a private investment house, in partnership with its operating platform eNordic, has announced it has made a Final Investment Decision (FID) to build Mertaniemi ...

In the power sector, 21% of demand was satisfied by electricity storage ...

Finland's NCES and other key policy documents indicate that a strong increase in renewable energy is needed to meet the 2035 climate neutrality goal. Much of the growth in renewable ...

Polar Night Energy, a Tampere-based startup, has secured EUR7.6 million in seed funding to support its innovative Sand Battery technology. Led by Jonathan Oppenheimer, the ...

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