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In combination with innovation, Åland's aspiration is to become a pioneer in green energy in the Nordic countries. Wind power already accounts for 90% of Åland's electricity production. The move toward even greater production of renewable energy through large-scale solar power farms and offshore wind farms is already well underway.

The ambition is to develop large scale hydrogen production on Åland integrated with gigawatt scale offshore wind in Åland waters for use both on Åland and in the wider European region, thereby supporting Åland's and EU ...

o Flexens Oy Ab is founded to be a company that offers multiparty solutions to the challenge of affordable renewables integration initially based on a full society scale demo built on the Åland Islands under the brand "Smart Energy Åland" o Flexens core competence is to combine the offerings, skills and knowledge

Copenhagen Infrastructure Partners (CIP), Flexens and Lhyfe have partnered to develop an integrated energy island powered by offshore wind on the Åland island archipelago off the Finnish coast. Called the Åland Energy Island project, it will support gigawatt-scale offshore wind and green hydrogen production in Finland.

The Åland electric grid relies on a combination of imported power and local renewable energy, primarily wind power. The grid is connected to both Sweden and Finland via high-voltage subsea cables, ensuring a secure energy supply.

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Vi deltar i Smart Energy Å...land. Ett projekt som drivs av . Vill du hänga med? Email Vi håller dig uppdaterad. Genom att fylla i din e-postadress och trycka på "Vi håller dig uppdaterad" börjar du prenumerera på vårt nyhetsbrev samt godkänner att Flexens OY Ab lagrar dina kontaktuppgifter i enlighet med gällande lagstiftning.

PSW Power & Automation delivers a battery pack for use in large-scale energy storage, stabilising the power grid and reducing reliance on fossil fuels. "Large scale modular battery packs is the next big step for the grid in Scandinavia and Europe in general," says Jens Hjorteset, Business Development Manager at PSW Power & Automation.

Å...land Smart Energy Platform - Target Platform for demonstrations enabling 100 % renewable energy system o How to solve the challenge: Fundamental change in power system operation - From variable loads to variable generation - Increase flexibility by novel technology, management and design principles by cost efficient solutions

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Kraftnät awarded Hitachi Energy a contract to supply a turnkey, 100 MW ±80 kV HVDC Light ® transmission link to ensure security of the energy supply on the main island of Å...land, where most of the population lives, and allow more renewables into the energy mix.

Å...land Smart Energy Platform - Target Platform for demonstrations enabling 100 % renewable energy system o How to solve the challenge: Fundamental change in power system operation ...

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