

A fully sustainable energy system for the Åland islands is possible by 2030 based on the assumptions in this study. Several scenarios were constructed for the future energy system ...

In the corner of a ten-hectare site on Åland that is set to become Mäkel energy park, a pilot project is underway where OX2 is testing various measures designed to strengthen the area's natural ecosystems and biodiversity.

generation techniques (eg solar parks, gasification CHP, hydroelectric power, fuel cells). In the area of hydroelectric power can we mention the project Nyhamnsgruvan, a disused iron-mine in an island outside of Mariehamn, when filling the cave with seawater it will generate 8 megawatt hours of energy. The pumps are

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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 Ålands 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.

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This study concludes that a fully sustainable energy system for Åland can be achieved by 2030. Expanded roles of solar PV and wind power generation capacities through domestic investment can effectively replace reliance on imported energy carriers, promote sustainable growth, and eliminate the need for fossil fuels in the energy system.

OX2, a leading renewable energy company in Europe, chose Ecogain as an expert partner for permit applications in connection with the construction of two solar parks in Åland. Driven by its ambitious sustainability goals, OX2 aims to make Åland the ...

Inom storskalig landbaserad vindkraft har OX2 genom ren realiserat över 2,4 GW vindkraft och har idag en stark projektportfölj, vilket etablerar oss som en av de ledande aktörerna inom förnybar kraftproduktion i Europa. Denna kunskap och erfarenhet tar vi med oss till Åland.

L&#228;s mer om v&#229;r verksamhet p&#229; &#197;land

Solar systems offer a clean and renewable source of power that holds the potential to revolutionise our energy landscape. By reducing our dependence on fossil fuels and mitigating greenhouse gas emissions, solar systems pave the way for a cleaner and healthier planet.

The energy company Flexens has identified the opportunity to develop and build a society scale energy system based on renewable energy sources on &#197;land together with the island government- an island with ideal wind and solar conditions and an ambitious climate- and energy strategy with a population dedicated to sustainability.

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A fully sustainable energy system for the &#197;land islands is possible by 2030 based on the assumptions in this study. Several scenarios were constructed for the future energy system based on various combinations of domestic production of wind and solar photovoltaic power, expanded domestic energy storage solutions, electrified transport, and ...

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