

Investeringsst&#246;d beviljas till Solpark &#197;land Ab 400 000 euro, Solarwave Alandia Ab 395 000 euro och Holmbergs Ab 199 000 euro, den totala maximala st&#246;dsumman uppg&#229;r prelimin&#228;rt till 994 ...

The Government of &#197;land has established a joint venture company Flexens Ltd to develop the Smart Energy &#197;land project. Flexens cooperate actively in evaluating and implementing various types of innovative energy system solutions for electricity generation. The project was launched in 2014 and gained full body and momentum in 2019 through the

Project development company, Flexens, has identified the opportunity to develop and build a full society scale energy system based on renewables on &#197;land - an island with ideal wind and solar conditions, an ambitious climate and energy strategy as well as a ...

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Can a 100% sustainable energy system be achieved by 2030 for &#197;land? What is the least cost scenario that can result in a fully functional, reliable, 100% sustainable energy system for &#197;land in 2030? What are the roles of Power-to-Gas, Vehicle-to-Grid and other energy storage solutions in future energy system for &#197;land?

This study concludes that a fully sustainable energy system for &#197;land 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.

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 ...

With that idea in mind, the energy company Flexens saw an opportunity to develop and build a society scale

energy system based on renewable energy sources on Å...land together with the island government - an archipelago situated in the Baltic Sea with ideal wind and solar conditions.

Å...land as the test and demo location o Å...land - the ideal place o Best wind and solar conditions in the region o Self-governed (own energy market regulation) and own grid area o Ambitious and rewarded sustainability agenda o Full society scale o 30.000 inhabitants, industry & service sector - Results applicable to large markets

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