

A transition to a fossil-free and energy-secure future requires research and innovation of the highest quality. In a series of articles, we present ongoing research from KTH that contributes to ...

The project supports datacenters, power- and micro-grids with methods to transform the energy system. With energy and data science competencies at the RISE ICE group, interdisciplinary ...

“The solution for Sweden's energy supply isn't just building more of what we have; we need new approaches. One aim of this project is to generate insights and build acceptance for ...

Understand how smart grid technology is transforming Sweden's energy landscape. Explore benefits for consumers, real-time monitoring capabilities, and integration with renewable ...

According to the report, 41,395 new PV systems were connected to the Swedish electricity grid in 2024, adding a total installed capacity of 847.5 MW. This represents a 47% decrease compared to the ...

Sweden needs innovative solutions to meet its ambitious policy goal of 100% renewable power by 2040. IRENA, in consultation with the Swedish Energy Agency (Energimyndigheten), has therefore ...

We secure the delivery of electricity to homes, workplaces and societal functions through long-term sustainable electricity networks and the development of a climate-smart energy system.

To show the extent to which the examples correspond to the proposed solution, and as an indication of the replicability of the examples in the Swedish context, each innovation proposed in the solution and ...

This order follows the multi-million-dollar order received in August this year from Svenska kraftnät to provide critical energy infrastructure such as power transformers and shunt reactors to ...

This chapter also contains an in-depth look at various technical solutions that can potentially complement the construction of new power lines and substations to meet the challenges of the power ...

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