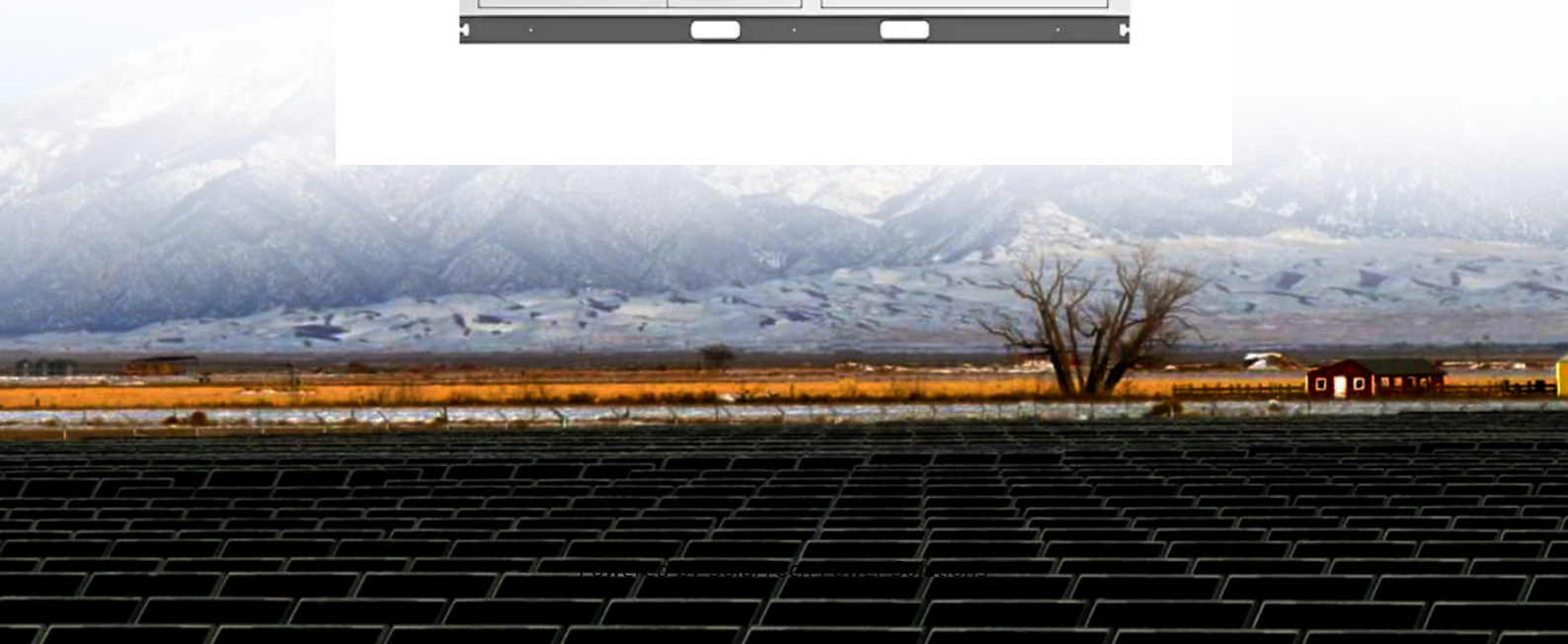


SolarTech Power Solutions

Netherlands Energy Storage Assisted Frequency Regulation Project

Solar



Overview

Is energy storage legal in the Netherlands?

Although renewable energy projects in general are possible under current legislation, the Netherlands has no specific legislation for energy storage. The legislator has drafted a bill combining and improving the current Electricity and Gas Act also known as “STROOM”.

Is there a roadmap for energy storage in the Netherlands?

In the Netherlands, there has also historically not been a roadmap or detailed industrial strategy with supportive legislation, policy, taxation reliefs, or investment incentives for the energy storage market.

Is the Dutch electricity grid under strain?

S4 Energy’s CCO, Dominique Becker Hoff, stated that the Dutch grid is under strain, citing growing demand and a mismatch between renewable energy availability and demand. “It is no secret that the Dutch electricity grid is under strain.

When is a frequency regulation strategy inactive?

This strategy is inactive when the system frequency remains within a predetermined frequency deviation threshold, whereby only the primary frequency regulation is executed through a combination of virtual droop and virtual inertia.

Why is disengagement from secondary frequency regulation important?

Disengagement from the secondary frequency regulation not only accelerates the restoration of grid frequency but also ensures precise and error-free adjustment of the system frequency, thereby improving tracking and dynamic performance. The effectiveness of the proposed control strategy is demonstrated through simulation.

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