

VRB-ESS™ in Denmark

Risø National Laboratory Publishes VRB™-Wind Results

After over two years of continuous operation, Prudent's VRB™ has proven its perfect fit with the vagaries of wind power, for both on-grid and off-grid applications.

VRB Power System Among the Best Performers in Technology Demonstrations



Energinet.dk, the Danish Transmission System Operator (TSO), owns and operates the high-voltage electric power system in Denmark, a country with roughly 25% wind power penetration.

Energinet.dk therefore has an urgent challenge facing more and more power dispatchers – the need to optimize performance of renewable energy while ensuring system security and stability.

Why Prudent?

Denmark is committed to an even *greater* percentage of wind power integration. The National Laboratory at Risø has tested numerous energy storage technologies for their ability to discharge electricity deeply and recharge rapidly to

balance constantly-changing wind patterns.

Their conclusion: No zero-emission storage system has performed better than VRB™ in providing transient response down to the milliseconds, and in dividing the country's grid into "islands" of wind power that are more easily controlled.



What's Next for Prudent

Published data from the VRB™ project at Risø is helping Prudent's new customers around the world as they size and configure MW-class systems for firming intermittent energy production and avoiding potential curtailment from TSOs.

For more information, contact Prudent Energy at www.pdenergy.com.



Industry:
Renewable Energy

Established:
1958

Headquarters:
Risø, Denmark

Website:
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VRB Installation:
15 kW, 8 hour system

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