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## **Ultra-large capacity Nordic mobile energy storage containers used at drilling sites**

What is the largest energy storage park in the Nordic region?

Romina Pourmokhtari, Sweden's Minister for Climate and Environment, officially inaugurated the largest energy storage park in the Nordic region. The initiative, led by Ingrid Capacity in collaboration with BW ESS, consists of 14 large-scale energy storage systems with a total capacity of 211 MW/211 MWh.

How many large-scale energy storage systems are there in Sweden?

The initiative, led by Ingrid Capacity in collaboration with BW ESS, consists of 14 large-scale energy storage systems with a total capacity of 211 MW/211 MWh. This milestone investment represents a significant step toward Sweden's goal of achieving a carbon-neutral energy system.

Which rigs have energy storage systems for onshore drilling?

The energy storage system developed for onshore drilling is among the world's first ones. As a foreign analog, only the project of the German rig manufacturer Bentec implemented in Oman can be highlighted. In 2017, the container-type 0.9 MW Bentec ESS with a storage capacity of 0.3 MW was put into trial operation on the KCA Deuteg T-94 rig.

What is the largest underground thermal energy storage in the world?

Vantaa Energia in Finland started the construction of the largest underground thermal energy storage in the world. It will have a volume of 1.1 million m<sup>3</sup> and capacity of 90 GWh, approximately 5% of Vantaa's annual DH demand.

The Nordic region is at the forefront of the global energy transition, with grids increasingly powered by renewable sources. This creates a significant demand for large-scale ...

Landmark innovation pairs high capacity with flexible transport, redefining large-scale energy storage. CATL today unveiled the TENER Stack, the world's first 9MWh ultra-large capacity energy storage system solution ...

14 large-scale battery storage systems (BESS) have come online in Sweden to deploy 211 MW / 211 MWh into the region. Developer and optimiser Ingrid Capacity and ...

A landmark innovation merging high capacity, transport flexibility, and safety to redefine grid-scale energy storage. At ees Europe 2025 in Munich, CATL debuted the TENER ...

Compared with traditional energy storage technologies, mobile energy storage technologies have the merits of low cost and high energy conversion efficiency, can be flexibly ...

The findings of this study can help to better understand which type of storage system is the most efficient for energy systems with temporary high load peaks, like drilling rigs.

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