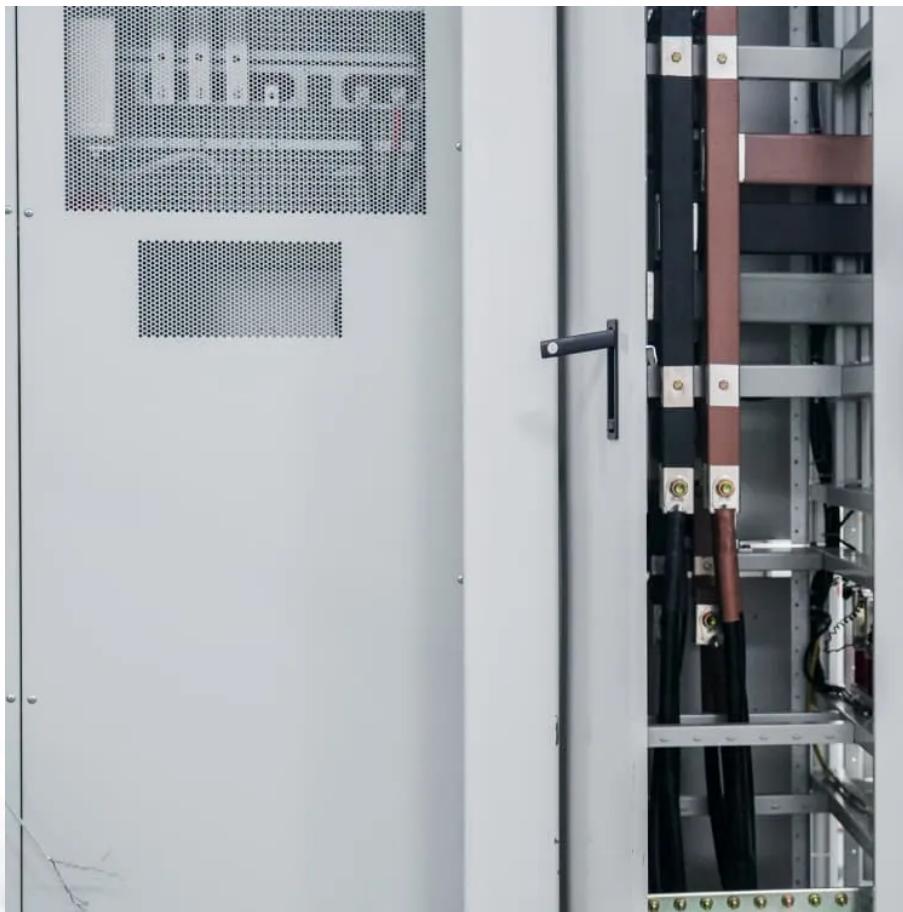




LOTWA SYSTEM

Stockholm Tunnel Mobile Energy Storage Container Hybrid





Overview

Could a 240 metre tunnel be buried under Sweden's capital city?

An ambitious plan to decarbonise Sweden's energy has led to a colossal tunnel excavation under its capital city, using a 240-metre-long boring machine Somewhere, deep beneath the calm suburban streets of Stockholm, lurks a 1,000-tonne monster.

Is TES a good alternative to hydrogen storage?

Since TES and HP are already part of the Swedish energy system, enhancing PtH coupled with TES is a better alternative than installing electrolyzers and hydrogen storage in an energy system without considerable hydrogen demand.

Why is hydrogen storage important?

Thus, hydrogen storage integrates electricity and industrial sectors, enhancing flexibility in the future energy system, particularly in the context of implementing HYBRIT. Energy transition plays a crucial role in reaching Sweden's national climate goals.

How much power does the Anneberg-Skanstull tunnel have?

The result is the ambitious Anneberg-Skanstull tunnel, which runs up to 100m underground (the deepest sections of the London Underground and New York subway are only about 60m down). It will, when it is complete in 2028, house nine cables and increase Stockholm's electrical capacity from 3.5GW to 6.5GW.



Stockholm Tunnel Mobile Energy Storage Container Hybrid

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