

## ContainerPower Energy Solutions

# Sweden Base Station Communication New Energy Site



## Overview

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Work starting in March 2024, energisation of the 400 kV substation is expected in September 2025. The greenfield development forms part of SvK's Fossil-Free Upper Norrland (FÖN) programme which seeks to electrify energy-demanding industries – such as steel production – in the north of the country. Will Sweden double its electricity use by 2045?

This infrastructure expansion is critical to Sweden's energy transition as the country works to double its electricity use to 300 TWh by 2045. The contract will see the production of power transformers up to 750 MVA and shunt reactors of 400 kV at Hitachi Energy's flagship factory in Ludvika, Sweden.

What is the new electricity connection between Anneberg and Skanstull?

With the new electricity connection between the stations Anneberg and Skanstull we are reinforcing the grid in the Stockholm region. It is part of the project Stockholm Ström designed to meet the region's growing electricity needs.

How does a mobile base station work?

By combining fossil-free hydrogen, fuel cells, solar panels, and batteries, this innovative solution sets a new standard for ensuring connectivity during prolonged power outages. Today, mobile base stations primarily rely on electricity from the power grid, with batteries and diesel generators providing backup.

What is the new electricity connection between Snösätra and Ekudden?

It is part of the project Stockholm Ström designed to meet the region's growing electricity needs. With the new electricity connection between Snösätra and Ekudden we are reinforcing the national grid in the Stockholm region. This is part of the project Stockholms Ström designed to meet the region's growing need for electricity.

Is northern Sweden a good place to invest in sustainable industrial

investments?

Northern Sweden – offering premium iron ore, a specialised steel industry and a strategy of developing and promoting fossil fuel free energy – is experiencing a boom in sustainable industrial investments. In Luleå, the Hybrit project – a JV between SSAB, LKAB and Vattenfall is already operating a hydrogen-based steel production pilot plant.

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