

## SolarInnovate Energy Solutions

# The role of container substation in Sykvo Latvia



## Overview

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The three-phase AC supply is fed in and distributed via the medium-voltage switchgear. The rectifier transformer unit (rectifier transformer and rectifier Sitras REC).

The three-phase AC supply is fed in and distributed via a compact gas-insulated medium-voltage switchgear. Technical features medium-voltage switchgear .

The rectifier transformer unit (rectifier transformer and rectifier Sitras REC) transforms the AC-power and frequency to DC traction power.

DC switchgear Sitras DSG or the compact Sitras CSG distribute the current to the track sections.

In contrast to conventional substations, the local assembly and construction works for container substations are reduced to a minimum. They are supplied.

What is a container substation?

An intelligent solution for obtaining direct current quickly and economically is provided by container substations. By integrating the equipment in a modular housing and undertaking rigorous testing off site, Siemens is able to supply fully built and tested modular traction power substations to a consistent and high level of quality.

Does Latvia have a 330 kV power network?

Latvia's 330 kV power network represents the middle point of the energy system of the Baltic states between its northern and southern parts. All 330 kV substations, except for "Daugavpils", have a dual power supply. The 110 kV network has a circle scheme. The majority of the 110 kV substations have two transformers and a dual power supply.

Why should you choose Siemens traction power substations?

By integrating the equipment in a modular housing and undertaking rigorous testing off site, Siemens is able to supply fully built and tested modular

traction power substations to a consistent and high level of quality. The state-of-the-art equipment and connectivity allows optimal operations and transparency.

What is a containerized mobile substation?

Containerized mobile substations are sheltered and address applications in challenging environmental conditions including areas with high pollution, high humidity, extreme temperatures or sand storms. Containers are easy to transport and fast to install, by reducing foundation works as well as installation and commissioning effort on site.

What is the scope of supply for containerized Mobile substations?

The scope of supply covers the complete assembly which may include: Containerized mobile substations are sheltered and address applications in challenging environmental conditions including areas of high pollution, and humidity.

What is a substation & how does it work?

It includes all the necessary medium voltage components such as power transformer, switchgear, metering, protection and control equipment. Such substation can be manufactured and transported to the installation site within the shortest time. Assembled and tested at the factory, it is ready to be energized immediately upon arrival.

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### Latvia's 'China Policy' and the role of '16+1' - asia.liia.lv

The "Development of container shipping in the Eurasian space" 4 is one of the goals in the 2017 Minister of Foreign Affairs' Yearly Report. Still, it is safe to conclude that the "16+1" format has ...

### Constitutional court of the Republic of Latvia » The role of

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