



MODERNIZATION SOLAR

# Stockholm Power Supply Solar System Model





## Overview

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What is ports of Stockholm?

Ports of Stockholm aims to meet future energy needs and strengthen the sustainability of port operations with microgrid technology and OPS.

Can digital models be used for power flow analysis of railway power supply systems?

The article presents the results of research aimed at developing digital models for power flow analysis of railway power supply systems (RPSS) equipped with distributed generation (DG) units based on renewable energy sources.

Should a working model of the Nordic power system be based on open sources?

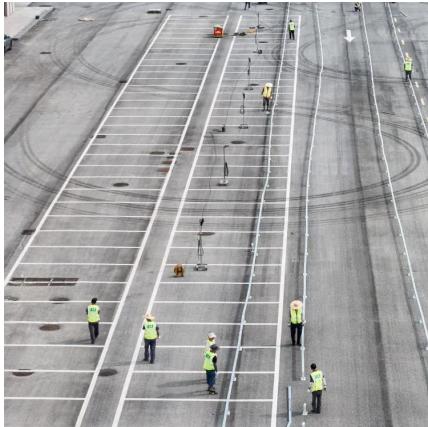
Therefore, a working model of the Nordic power system would be very beneficial for independent parties to perform viable pre-studies for grid connections. However, for security reasons, the TSO's cannot share their information, thus this model is based on open sources.

Does Sweden have a nuclear power plant?

Sweden currently has three nuclear plants with six nuclear reactors in operation. In 2023, some 14 per cent of Sweden's electricity came from wind power. Combined heat and power (CHP) plants – mainly powered by biofuels – accounted for around 10 per cent of the electricity output. Sweden is wise to draw energy from the forest. There's lots of it!



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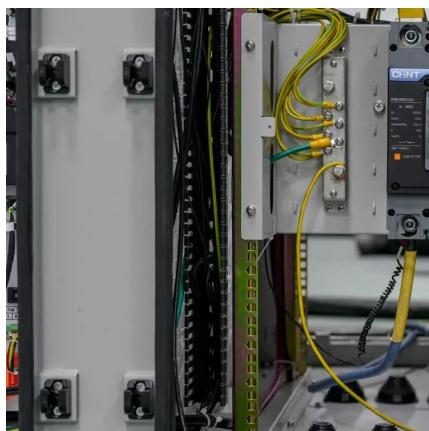
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Courtesy of Ports of Stockholm. The project, called "Innovative Microgrid Design for Sustainable Onshore Power Supply: Port of Stockholm case study", runs between 2024 and 2027. The ...



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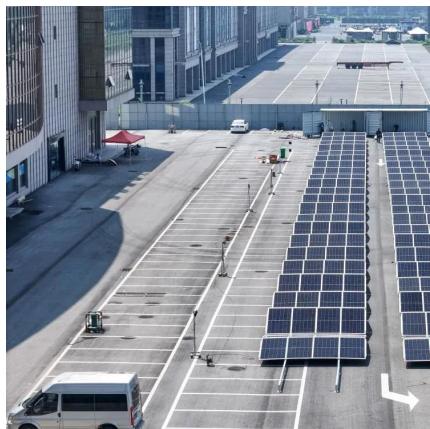
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