

BEST PRACTICE



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First solar district heating in Latvia

Salaspils, Latvia – 17 621 inhabitants

Solar thermal – DHC

The city of Salaspils is investing in the development of Latvia's first solar district heating facility.



Credits: salaspilssiltums.lv

Project in a Nutshell

The solar heating system is part of a major upgrade of the municipally owned district heating facilities in Salaspils, where about 85% of the population is connected to district heating. Currently, the heat is generated by a 7 MW wood chip boiler. As part of this project, an additional 3 MW wood chip boiler will be installed. The city is also planning to upgrade the district heating's control systems and install a storage tank. The entire project will be developed by Filter, a Baltic energy solution company and Arcon-Sunmark, a Danish solar heating company. The total cost is 6.9 million euros, of which almost 40 % (2.7 million) is covered by Cohesion funds. The objective is to reduce the city's CO2 footprint and become more independent of fossil fuels.

Impact & Next steps

The solar district heating system has a collector field with a total of 1 720 collectors or 21 672 m². The installation will be amongst the biggest large-scale solar district heating system in Europe. 12 000 MWh heat will be produced annually and once completed, the system will cover 20% of the heating demand in Salaspils.

Replicability: Challenges & Success Factors

The project will be completed in the second half of 2019

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