

## Solar energy tallinn

Solar power plants are a good way to save costs as well as to provide a way of consuming environmentally friendly energy consumption for businesses and homeowners alike.

Solar panels are used to produce solar energy, which capture the sun's energy and convert it into electricity or heat.

Solar energy plants partially cover the electricity needs of our energy production units and additionally produce green electricity for the grid.

Solar power is Estonia's biggest, and most rapidly growing, form of renewables. At the end of 2022 the country's installed solar capacity was estimated at 506 megawatts (MW), with solar electricity production growing from 305 gigawatt/hours (GW/h) to 506 GW/h during the course of that year.

Black & Veatch is helping to further increase Estonia's solar capacity acting initially as technical advisor on a 19 MW solar photovoltaic project serving the country's capital, Tallinn. Working on behalf of the owner, an international developer, Black & Veatch's Europe solar team undertook a feasibility study during the project's early development to support the client in assessing commercial and technical feasibility.

The Europe solar team's services included:

Scoping of site surveys and geotechnical studies

Building upon the analysis supplied by Black & Veatch the owner proceeded with an expanded 40 MW scope for the project. With Black & Veatch assuming the role of owner's engineer.

Utilitas is a leading producer of renewable heat and electricity and provides district heating and cooling across Estonia. We offer solutions that are good for customers and the environment, produce and distribute energy as efficiently as possible, and use renewable and local energy sources to the maximum possible extent.

Utilitas district heating and district cooling services offer very high reliability and have a customer satisfaction level of 94 percent. In total, Utilitas heats 20.5 million square meters of buildings across Estonia.

Utilitas will use only renewable energy sources by 2030 but already produces the majority of energy from renewable sources such as biomass, wind, and solar. In addition, all district heating networks will be renovated by 2035.

All Utilitas production units are high-tech and offer high efficiency, which means that the resulting production



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efficiency is close to 100 percent.

Contact us for free full report

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