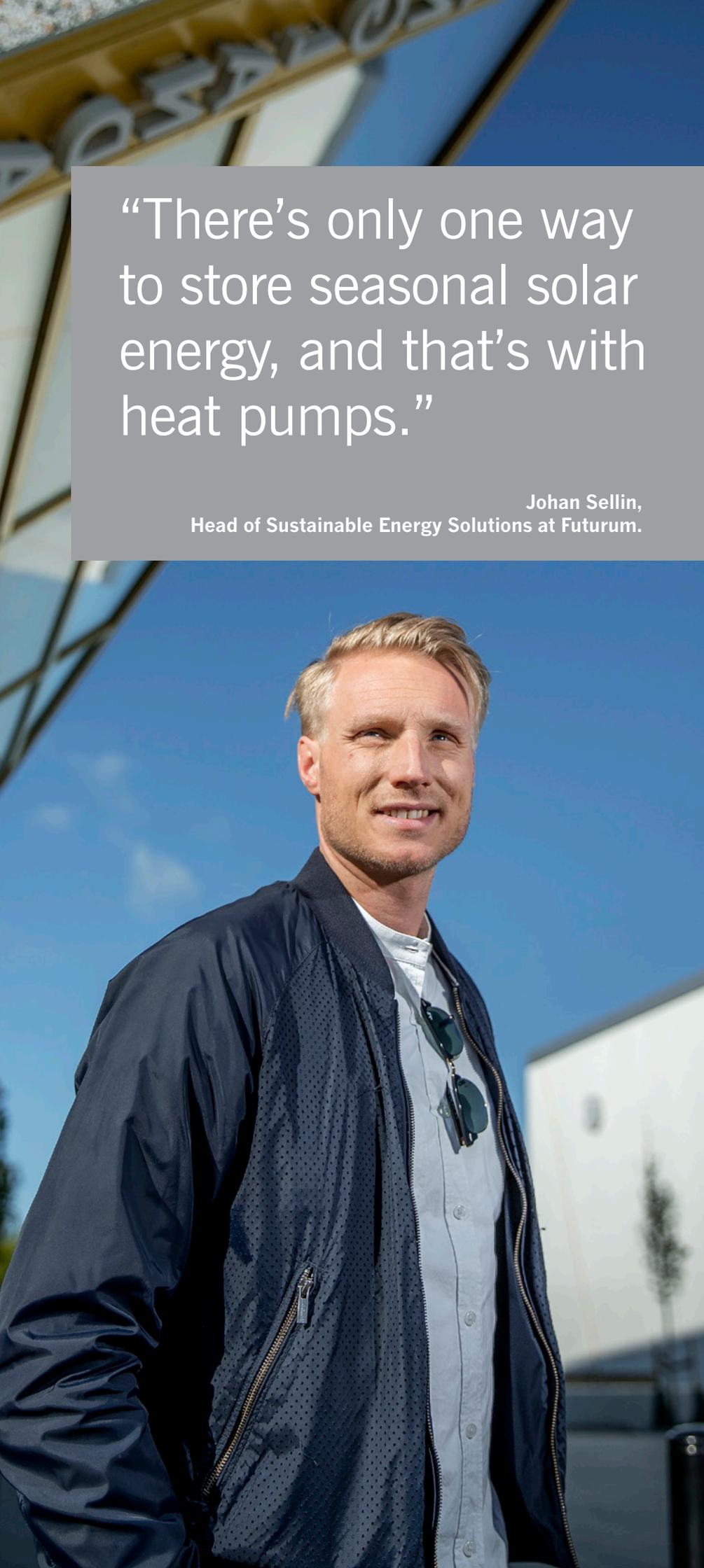




## Futurum chooses solar energy and Thermia Mega for the Änglanda school

Environments worthy of our children – that is the vision of the real estate company Futurum. This vision reveals a lot about the company's ambitions.





“There’s only one way to store seasonal solar energy, and that’s with heat pumps.”

Johan Sellin,  
Head of Sustainable Energy Solutions at Futurum.

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Änglanda school in Örebro, Futurum has invested in stored solar energy and locally produced heat, consisting of a unique solution involving solar cells, heat pumps and battery storage.

*“There’s only one way to store seasonal solar energy, and that is with heat pumps. This solution requires a high-quality heat pump with the ability to control power as needed. We chose Thermia Mega for that purpose”, explained Johan Sellin, Head of Sustainable Energy Solutions at Futurum.*

In this heating system, Mega has a central function, helping to exploit the solar energy stored in the ground as well as using excess energy from the building, which is stored in a ‘geo layer’ under the school’s football field. The entire process is powered by electricity from the school’s two solar cell plants and one of Sweden’s largest battery storage facilities.

*“This plant shows a positive result and supplies more renewable energy to the grid than it consumes. It is a great win for our environment, for taxpayers and for children”, Johan Sellin added. The Änglanda school is one of many successful collaborations between Futurum and Thermia. Numerous schools are already using Thermia Mega – and more are on the way.*

## Thermia Mega - a truly commercial heat pump

Thermia Mega is a commercial ground source heat pump that is the pinnacle of innovation, not only for the highest energy savings, but for the best total cost of ownership for a high number of applications in the commercial sector. Mega is a heat pump with an inverter-controlled compressor, with a total output of up to 88 kW and one of the highest SCOP on the market.

Inverter technology makes Mega an extremely flexible and versatile product, which can be installed and used in all types of property, whatever the conditions. Each solution can be tailored to meet your full heating, cooling and hot water needs. Thanks to the inverter control, you can also operate installations with different heating and hot water demands

without the need for additional volume tanks. This will lower installation costs and reduce the space needed for the system. Hot gas exchangers as standard make hot water production extra cost-effective.

Connecting 16 Mega units together, the customer can achieve a total heating effect of up to 1,4 MW. The controller in the Mega heat pump boasts a touchscreen color display in addition to user friendly iconic symbols that are easily understandable giving the user stress free control, additionally on the Mega control board below the display can be found a USB port for the updating of software. Using the integrated Thermia Online tool, you can remotely monitor Mega heat pump via a computer, tablet or smartphone.



Thermia Mega

## THERMIA

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### Pioneering heat pumps

For the last 50 years, we have dedicated all our resources and knowledge to developing and endlessly refining one product: the heat pump. Our focus on geothermal energy has given us world leading knowledge in heat pump technology.



### Engineered with passion

Developing truly sustainable renewable energy solutions can only be achieved with passionate, dedicated, and uncompromising experts. Some of Europe's most highly qualified engineers can be found in our own R&D center.



### Born in Sweden

All our products are designed, manufactured, and tested in Sweden using the latest technology and the highest quality components. All components inside our ground source heat pumps are made in Europe by world-leading industry specialists.