



Koppartältet housing association benefits from geothermal heating



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Playground and housing association buildings

Disintegrating sewage pipes came as an unexpected surprise to the board of the newly formed tenant-owned housing association Koppartältet. Things did not get any easier when they contacted the bank for funding to solve the problem.

"At first, the bank said no. But then we proposed turning it all into an energy project that could save a lot of money and suddenly the bank became more positive", explained Erik Nigell at Enex Energi in Stockholm.

The tenant-owned housing association installed four Thermia Mega XL ground source heat pumps to complement the existing facility. Thanks to the smart inverter-controlled heat pumps combined with an efficient system solution, running costs have been significantly reduced.

During the first five months, district heating consumption fell by 80 percent. What's more, it was possible to finance the sewage pipe renovation within the framework of the project.

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.



View from the balcony of one of the apartments

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.



Machinery room with Thermia Mega ground source heat pumps

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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.