



Modern house with minimal energy consumption



When Arnt and Jeanette Olsen were to build a new house, they carried out thorough research to choose the best and most durable solution. The choice fell on a geothermal heat pump that saves almost 70% of energy consumption.

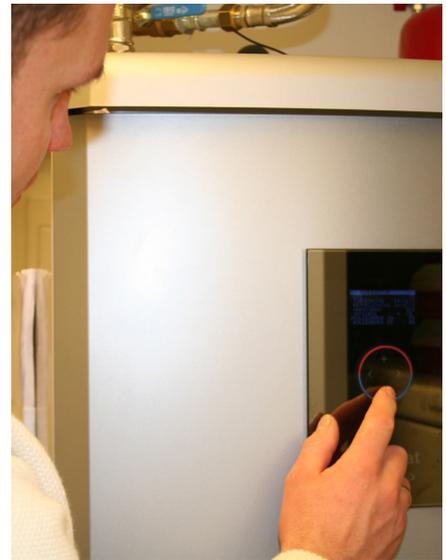
New house

The married couple has built a new house that meets the new energy requirements, and has also invested in an advanced heating system, which will save energy, including lowering temperatures at night. *“Before we moved here, we stayed two years*

in an older building based on wood burning and electric heating. The biggest difference is the constant comfort temperature that stays steady when we are at home and wake up”, says Arnt. “It is a comfortable warmth and it is good to know that we make the most out of the energy.”



Arnt and Jeanette Olsen with their daughter



Arnt Olsen at heat pump

Big savings

“We get a lot of questions from people who want to know how the system works, and if there is any money to be saved. There are a lot of different solutions to keep up with, and even professionals have trouble keeping up to date. I’m glad that we eventually went with Thermia, and it is clearly showing significant savings.” – add Arnt

The house has an energy requirement of approx. 28,000 kWh/year for heat and hot water, and approximately 20,000 kWh/year will be covered by the

geothermal heat. The remaining 8,000 kWh/year is energy that must be supplied to run the heat pump.

Control over the internet

The entire heating system is connected to the internet, and you can therefore control energy consumption. *“Since I work in the North Sea and am often away, it’s convenient that I can go in and make changes if needed. In addition, Thermia can go in and troubleshoot if there is something I can’t figure out. It’s an extra security”, Arnt concludes.*

Fact Box

Detached house:
Wooden house built in 2012

Living space: 250 m²

Location: Fevik, Norway

Occupants:
2 adults and 1 child

Heat demand: 28,000 kWh

Type of heat pump:
ground source heat pump

Heat pump:
Thermia Diplomat Optimum G3

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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.