



heatit renergy[™]
Smart energy conservation



heatit
CONTROLS



Smarter homes with Heatit Renergy

New integration allows for smart power management

In short, the term "smart home" refers to a home automation system where light, heat and other functions in the house are controlled from a central unit, most often called a gateway. The user can control this gateway through an app. The goal of a smart home is optimization, lower power consumption and higher comfort for the homeowner.

At Thermo-Floor AS, we have delivered this technology for many years, but now we are stepping into an even smarter world. With the development of Heatit Renergy, we have made an integration with Nord Pool, enabling the gateway to collect electricity price data hour by hour. This means that the smart home system may control the electricity consumption in the home by turning down or switching off large loads when electricity prices are high. This is particularly

relevant for loads such as floor heating, water heaters and electric car chargers that do not necessarily need to be active at specific times during the day.

To get started with Heatit Renergy, a small programming job must be done on the gateway in the smart home system. There is also a need for smart relays and thermostats that can control the various products in the home. This job is done by an electrician in collaboration with Thermo-Floor AS. To keep track of the total consumption in the home, a HAN sensor is installed in the fuse box. This is especially important when applying for installation cost support from Enova.

No subscription is required to use the solution and it works independently of the power provider.

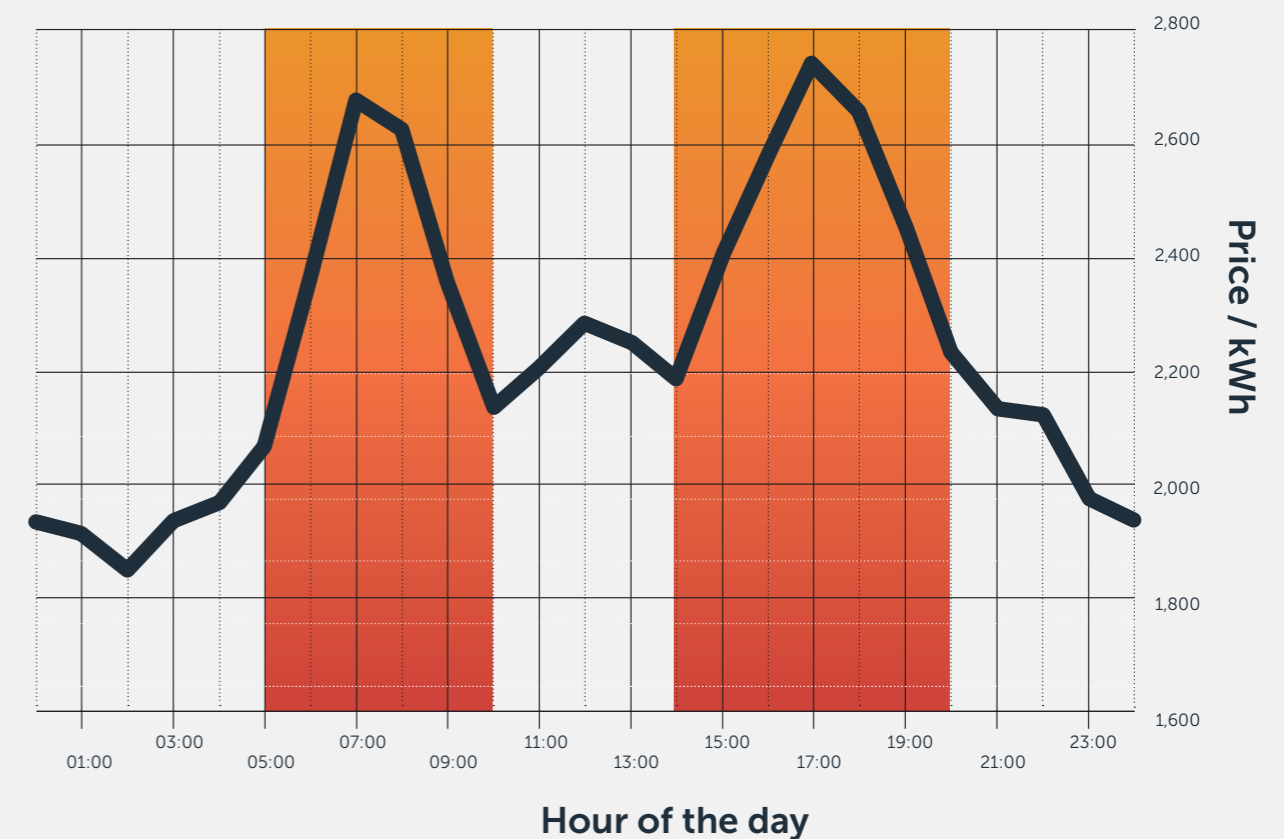
Regulation based on electricity prices

Heatit Renergy offers great opportunities to optimize power consumption and save money. The customer makes the practical decisions on how the system is set up according to their needs. When the solution is installed, it is defined which loads are to be controlled. The most important loads to control will normally be:

- Floor heating
- Water heaters
- Electric car chargers*

After this, the customer only needs to decide how many hours a day the power consumption should be controlled. This is done via the app on the phone or PC, and this is where the integration with Nord Pool plays a key role.

The system combines predicted electricity prices from Nord Pool with the number of hours the homeowner wants to control electricity consumption. If the homeowner has defined six hours, the system will switch off or reduce selected loads during the six hours a day where electricity prices are expected to be the highest. In most cases, this will be in the morning and afternoon, but there are fluctuations from hour to hour and from place to place. This is exactly what Heatit Renergy automatically takes into account, so that homeowners do not have to worry about changes in electricity prices throughout the day.

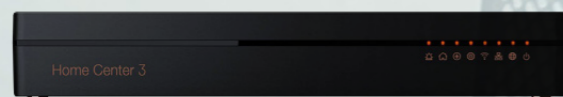


Who is Heatit Renergy suited for?

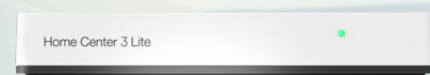
Heatit Renergy is a great solution for anyone who wants to control their electricity consumption and reduce electricity costs. An important bonus effect is that it contributes to an increased awareness of personal power consumption and environmental footprint.

Heatit Renergy requires a smart home system from Thermo-Floor AS, but it is not necessary to install a completely new system. Anyone who has a FIBARO Home Center 3 or Home Center 3 Lite gateway can get this solution. This way, there will be two main target groups: Those who are looking to invest in a new smart home system, and many of those who have installed a system in the last couple of years.

FIBARO Home Center 3



FIBARO Home Center 3 Lite



heatit
Z-HAN Sensor
Art. no. 45 126 57



heatit
Heatit Z-Wave
Thermostats



heatit
ZM Single Relay
Art. no. 45 126 71

An easy solution for the installer

Setting up Heatit Renergy should be easy for the installer. This is an important goal for us. We have extensive experience in the field of smart home technology, enabling us to do parts of the programming if so desired. By using our expertise in smart home products, installers can spend more time on what they are best at, achieving a more efficient workday.

Heatit Renergy briefly summarized:

- Provides the best starting point for efficient power management
- Flexible to use and easy to install
- No subscription costs for the customer
- Can be installed in both new and older smart home systems from Thermo-Floor AS

The solution also meets the requirements of Enova's support plan for smart power management. When requirements are met, it is possible to get a refund of up to 35% of the investment in a smart management system. This is one consideration which can make it easier to sell the solution to customers.

Contact Heatit Controls today if you want to learn more about the possibilities with Heatit Renergy.

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*The integration of electric car chargers are under development



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Any questions?
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