

ENGINEERING
TOMORROW

Danfoss

Case story | *Danfoss Link*

Carefree living with the *Danfoss Link*[™] heating system

For Maria and Hans, a dream home is warm when you need it



24/7

home heating
control from
anywhere with the
Danfoss Link[™] App

smartheating.danfoss.com



The *Danfoss Link™* App brings freedom and peace of mind



“The Danfoss Link system allows us to adjust room temperatures individually or group some rooms into a living zone. We can also program heating times for weekdays or weekends to match our lifestyle”



Maria and Hans thought of everything when they designed their dream home in a pleasant Mülheim an der Ruhr neighborhood in Germany. Open-plan rooms, a separate floor for the kids, a designer kitchen – not to mention a breathtaking view from the master bedroom – the house was 250 square meters of prime quality space.

The only limiting factor was the heating solution. From the moment they moved in ten years ago, it was a challenge to adjust the temperature of each room without feeling too hot or too cold. And then there was the question of how to manage the heating when away from home. After the children grew up and moved out, they enjoyed the freedom of

being able to commute to and from work as it suited them – Maria working as an independent healthcare consultant and Hans the owner of a fashion business.

But, whenever they were away, they had a nagging sensation that energy was being wasted back at the house. “We never lowered the room temperatures when we left home,” Maria recalls.

Efficient control with no more waste

All that changed when they installed a new *Danfoss Link™* heating system. Their inefficient home heating was transformed – replaced by precise, flexible control with a minimum of wasted energy. The first step was to upgrade the 10

radiators in their home with Danfoss *living connect®* thermostats and install a *Danfoss Link* Central Controller panel. Installation was easy, and they quickly set up the wireless link between the thermostats and panel. Once that was in place, life in their dream home entered a new era of comfort.

Now they were able to adjust the temperature in every room of the house, giving them exactly the right level of comfort when at home and saving on energy consumption when at work or on holiday.

“The *Danfoss Link* system allows us to adjust room temperatures individually or group some rooms into a living zone.

We can also program heating times for weekdays or weekends to match our lifestyle," Hans explains. After many years of discussion, the couple was at long last able to agree on the perfect heating solution for the bedroom, where Maria prefers to be snug and warm and Hans sleeps best in a cooler climate.

"Now the system heats the bedroom from early evening until bedtime and regulates the temperature down while we're asleep," he says.

Maria and Hans's Danfoss Link™ heating system comprises:

- 10 Danfoss *living connect*® thermostats.
- A *Danfoss Link™ CC* panel, which provides wireless one touch point control of all radiator thermostats so the temperature in each room can be individually set. Studies have documented average energy savings of up to 30% in homes with a *Danfoss Link™* system installed
- The *Danfoss Link™ App*, enabling remote regulation of individual room temperatures from any location
- The *Danfoss Link™ App* Helpdesk, which provides technical support for Wi-Fi and app-related questions.



New freedom with the Danfoss Link™ App

Nevertheless, one issue remained. Too often they returned home earlier than planned to find their heating system was shut down and the house cold. With no children at home to make the necessary adjustments, they lacked a remote control option.

Danfoss obliged with the introduction of the *Danfoss Link™ App*. Designed for busy people who want to come and go as they please without compromising on heating comfort and efficiency, the app can be quickly downloaded to a smart phone. The app links up to the home central controller and features many of the same functions.

Comfort and peace of mind

For the couple from Mülheim, the *Danfoss Link™ App* has brought perfect heating control to their fingertips – around the clock and from any location. Today, they have never been more comfortable in their home or more relaxed when away from it.

"My smartphone is always at hand, and I check the *Danfoss Link™ App* daily to make sure everything is running as planned," Hans says. "I don't yet know how much energy we save as our living circumstances have changed so much, but I believe we've achieved double digit savings.

"During our last vacation, the app showed me there was an issue with our central heating boiler, so I sent my son to solve it. It is such a relief that we can now leave home without worrying."

Among friends and family, the *Danfoss Link* system has also become a topic of conversation. When Hans pulls his phone out of his pocket, he often finds himself showing how the Danfoss Link App works. Both he and Maria are happy to recommend it.

Three good reasons to choose Danfoss

Danfoss provides intelligent, energy-efficient heating solutions for your home. Our products increase comfort, reduce heating bills and make your heating system easier to manage. With more than 80 years of experience, innovation and development, we can offer you the best solutions for the perfect indoor climate.



1 Intelligent solutions that optimise indoor climate and comfort

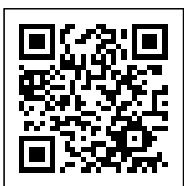


2 Reduce heating expenses and reap the benefits of an energy-efficient home



3 Intuitive and user-friendly products tailored to your lifestyle

Visit us online for information, support, advice and inspiration at smartheating.danfoss.com



Scan the code to download the app with a demo and see for yourself how easy it is.

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