



# QWIKSHIFT

HYBRID HEATER



**HEATS INDUSTRIAL & COMMERCIAL PREMISES QUICKLY AND SUSTAINABLE**

**40% TO 60% SAVINGS ON ENERGY CONSUMPTION**

**UP TO 70% LESS CO<sub>2</sub> EMISSIONS**

**PAYBACK ON CAPITAL EQUIPMENT 3 TO 5 YEARS**

**2 COMPONENTS: HEAT PUMP & BOOSTER**

**Winterwarm**   
heating solutions

# INNOVATIVE AND EFFICIENT HEATING

The Qwikshift Hybrid Heater is the latest solution for heating industrial buildings, shops and warehouses sustainably. A heat pump, combined with an innovative booster technology. The result? The room is brought up to temperature quickly and employee comfort is high. The smart control allows you to heat as economically as possible and save on monthly recurring energy costs.



## HEAT BOOSTER

For quick heating

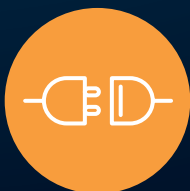
The Booster jumps in at the beginning of the workday and on the coldest days of the year. Thus, a comfortable temperature is reached quickly.



## SMART CONTROLLER

For maximum efficiency

The Smart Controller ensures cost-effective heating by absorbing fluctuations in gas and electricity prices. This way, you achieve the desired temperature at the best price.



## PLUG & PLAY

For easy installation

The hybrid heater is easy to install. Often, even existing facilities can be used. This way it is quickly set up, without major interventions.



## ENERGY-EFFICIENT

For a more sustainable operation

The heat pump extracts heat from the air. Every kW of electricity produces consumed up to 5 kW of heat. This is how you reduce energy consumption and your CO<sub>2</sub> emissions.

## THE QWIKSHIFT HYBRID HEATER IS AVAILABLE IN TWO MODELS, DEPENDING ON THE AVAILABLE ENERGY SUPPLY. WHICH IS THE BEST ONE FOR YOU?



### QWIKSHIFT HYBRID HEATER **QSE**

#### ELECTRIC BOOSTER WITH HEAT PUMP AND SMART CONTROLLER

This hybrid heater runs completely on electricity, because the Booster is an electric air heater. Reduce recurring costs by using your solar panels.



### QWIKSHIFT HYBRID HEATER **QSG**

#### NATURAL GAS-FIRED BOOSTER WITH HEAT PUMP AND SMART CONTROLLER

Do you use a natural gas connection?  
The hybrid heater can easily be connected to your existing gas pipework for easy installation.

**H<sub>2</sub>** Hydrogen ready



### SMART CONTROLLER

Fluctuations in prices of gas and electricity costs can be absorbed by the Smart Controller. It will then choose the most economical way of heating. This way you always reach the desired temperature at the best price.

- ✓ Easy installation thanks to Modbus connection
- ✓ Self optimizing for cost-efficient heating
- ✓ Clock function
- ✓ 4 zones with up to 8 units each
- ✓ Adjustable and readable per zone or unit
- ✓ Cooling function

# TESTIMONIAL

## PROJECT SANOVO – AALTEN

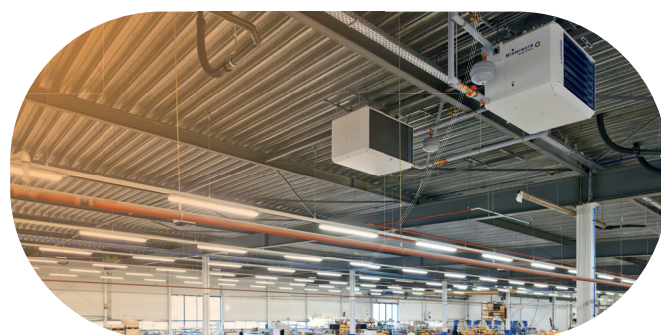
8x Qwikshift QSE



**André Diepenbroek**  
HEVA Climate & Installation  
Varsseveld



“My client, Sanovo, wanted to get rid of natural gas in their 150mx70m production hall. I was calculating with a 100% heat pump installation where we would use the existing discharge plenums for heat emission. However, I found the all-electric Qwikshift to be a much better heating solution while the total investment would not increase. The end customer, also an innovative company, trusted my judgement in this and agreed to install 8x QSE installations. I am very satisfied with the cooperation with Winterwarm and how we completed this project together. Meanwhile, I already have two other projects running where a Qwikshift heating installation will be installed.”



**El Mehdi Lasfar**  
Managing Director Sanovo  
Aalten

“Innovation is really important to us. Our goal was to no longer use gas for heating and with Winterwarm’s fully electric Qwikshift, we made this happen. It’s great to be fully electric now, running on heat pumps and solar panels!”

“Right now, this is the best solution for heating large spaces in an economical and sustainable way. A top-quality product!”

- **Sluiskes**

“A real step forward in a market with so much potential for efficiency improvements. The sustainability of non-residential buildings still doesn’t get the attention it deserves.”

- **Peters**

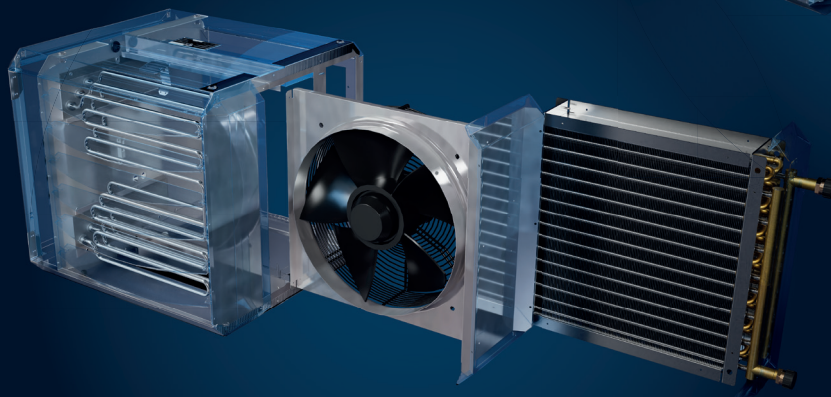
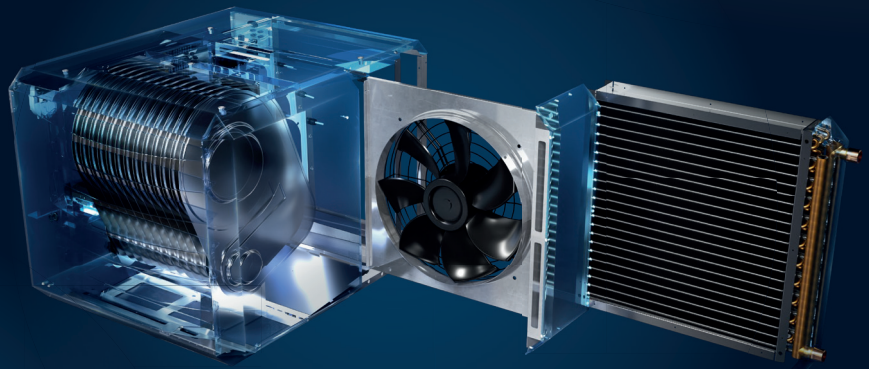
# THIS IS HOW IT WORKS

The system consists of three parts. The heat pump (air/water), the indoor unit with Booster and the Smart Controller. The heat pump provides for the heat requirement approximately 70% of the time. On warm days, the heat pump cools the room.

The Booster jumps in at the start of a working day or on cold days. This allows you to reach the desired temperature quickly and efficiently. The heat pump ensures a comfortable indoor climate for the rest of the day.

The intelligent interaction of the Smart Controller even considers the current prices of natural gas and electricity to keep total energy costs as low as possible.

## QWIKSHIFT HYBRID HEATER QSG



## QWIKSHIFT HYBRID HEATER QSE

### A SUSTAINABLE HEATING SOLUTION

- ✓ Reduces energy consumption
- ✓ Can be combined with solar panels
- ✓ Hydrogen ready
- ✓ Reduces Carbon emissions

### THE NEW SOLUTION FOR INDUSTRIAL HEATING

- ✓ Desired temperature is quickly reached by the booster
- ✓ Heats and cools
- ✓ Easy to install
- ✓ Smart control for lower energy cost
- ✓ Efficient heat distribution

# CALCULATION EXAMPLE FOR SAVINGS

In this calculation example, an energy-efficient heating solution with hybrid air heaters is proposed for 3 industrial halls, which will lead to lower energy costs and a positive impact on the environment. Here, we have made some (fictitious) assumptions about the existing situation.

## THE ASSUMPTIONS OF THE EXISTING SITUATION:

**Desire: affordable, sustainable heating solution**

- Number of heating hours per year: 1000
- Use of green electricity: Yes
- Electricity price: € 0.30/kWh
- Natural gas price: € 1.40 / m<sup>3</sup>
- Heating: Gas-fired air heating



**2.500 m<sup>3</sup>**  
All-electric

**24kW**



**1X QWIKSHIFT**

**QSE 16+10 (kW)**

Savings  
**€2.200**  
22MWh / Year  
**78%**

**At an investment of € 10.000**  
(Including subsidy)

**CO<sub>2</sub> reduction**  
**5.510 kg**

**Recovery time**  
**4,5 Year**

## TESTIMONIAL

### PROJECT TIMMERMAN BV – WIERDEN

3x Qwikshift QSG

#### Remco Altena

Chief of Workshop - Timmerman BV  
(sale and maintenance of agricultural and earthmoving machinery)

“We had an old 100 kW Universum air heater. It consumed a lot of natural gas. When it turned out that an inspection was required, we started talking to our installer, Groen from Ommen. We had recently had solar panels installed on the shed. Groen therefore suggested the Qwikshift concept with heat pump by Winterwarm. He installed 3x QSG units. It works very well. The units switch themselves on around 7 a.m. and then the workshop is at working temperature by 8 a.m. We like it, and our gas consumption has dropped dramatically.”





**20.000 m<sup>3</sup>**  
All-electric  
**91kW**

**3X QWIKSHIFT**  
**QSE 16+15 (kW)**

Savings  
**€6.940**  
79MWh / Year  
**73%**

At an investment of € 30.750  
(Including subsidy)

**CO<sub>2</sub> reduction**      **Recovery time**  
**20.913 kg**      **4,4 Year**



**75.000 m<sup>3</sup>**  
Heat pump +  
gas-fired booster  
**227kW**  
Required power

**4X QWIKSHIFT**  
**QSG 16+40 (kW)**

Savings  
**€16.180**  
147MWh / Year  
**55%**

At an investment of € 67.000  
(Including subsidy)

**CO<sub>2</sub> reduction**      **Recovery time**  
**52.169 kg**      **4,1 Year**

## CUSTOMISED ADVICE

The Qwikshift is available in various combinations with a total capacity of 25 kW to 56 kW. The 3 available heat pump types have a capacity of 6, 12 or 16 kW, respectively. The booster units can again vary in capacity.

Winterwarm has developed a calculation tool where, for every situation, different combinations can be calculated with the corresponding costs and savings.

Depending on your energy strategy, you may opt for a fully electric solution to maximize the use of your available green energy or choose the additional support of a gas booster. Winterwarm provides expert advice to ensure the optimal system configuration tailored to your specific requirements.





Winterwarm Heating Solutions specializes in the production and sale of air heaters for industrial spaces. With over 90 colleagues and an in-house R&D department, we always offer our customers high-quality and innovative heating solutions.



**DEVELOPED,  
TESTED AND  
IMPROVED  
IN-HOUSE**

## **INSTALLING A QWIKSHIFT IN YOUR INDUSTRIAL SPACE?**


Would you like more information or personal advice? We are happy to discuss the options with you for installation at your company. You can also contact us for a calculation of the energy costs you can save. We'd love to talk to you!

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