



# HALLER INFRARED HEATERS

SUSTAINABLE – ECONOMICAL – REGIONAL

**HALLER**<sup>®</sup>  
INFRARED HEATING



# HALLER INFRAROT

## BRAND QUALITY WITH PRODUCTION IN RIEDLINGEN

### INNOVATIVE & REGIONAL

As a family business with more than 16 years of experience in the field of infrared heaters, we are your contact for innovative heating solutions from our own regional production. Our high-quality infrared heaters are versatile in application and provide comfortable radiant heat that mimics the sun's heat.



Our HALLER infrared heaters go through a multi-stage quality control.



The spacious warehouse right next to the production facility.



Superior image quality thanks to our own printing machine.





## YOUR FIRST STEP TO US INVITATION TO SHOWROOM

We cordially invite you to our showroom in Riedlingen, where you can immerse yourself in the HALLER energy world of experience on more than 2,000 m<sup>2</sup>. We will be happy to advise you and offer you a free factory tour.





# INFRARED HEATING SYSTEMS

## VERSATILE. INNOVATIVE. DECORATIVE.

### A LARGE SELECTION

Our evolutionary infrared heating systems are available in many product series. All series naturally allow you to select HALLER Infrarot heating elements individually in different sizes and with different power levels.

### SOLUTIONS FOR EVERY SITUATION

HALLER infrared heaters are perfect for every circumstance:

- New buildings
- Old buildings
- Renovation
- Extensions
- Supplementary heating
- Apartment buildings
- Single-family houses
- Condominiums
- Rental properties



Picture heater with indirect lighting



Elegance BIO infrared heater in the kitchen



Mirror heater in bathroom



Bathroom heating with LED frame



Therapy heating in Hotel Oberstdorf

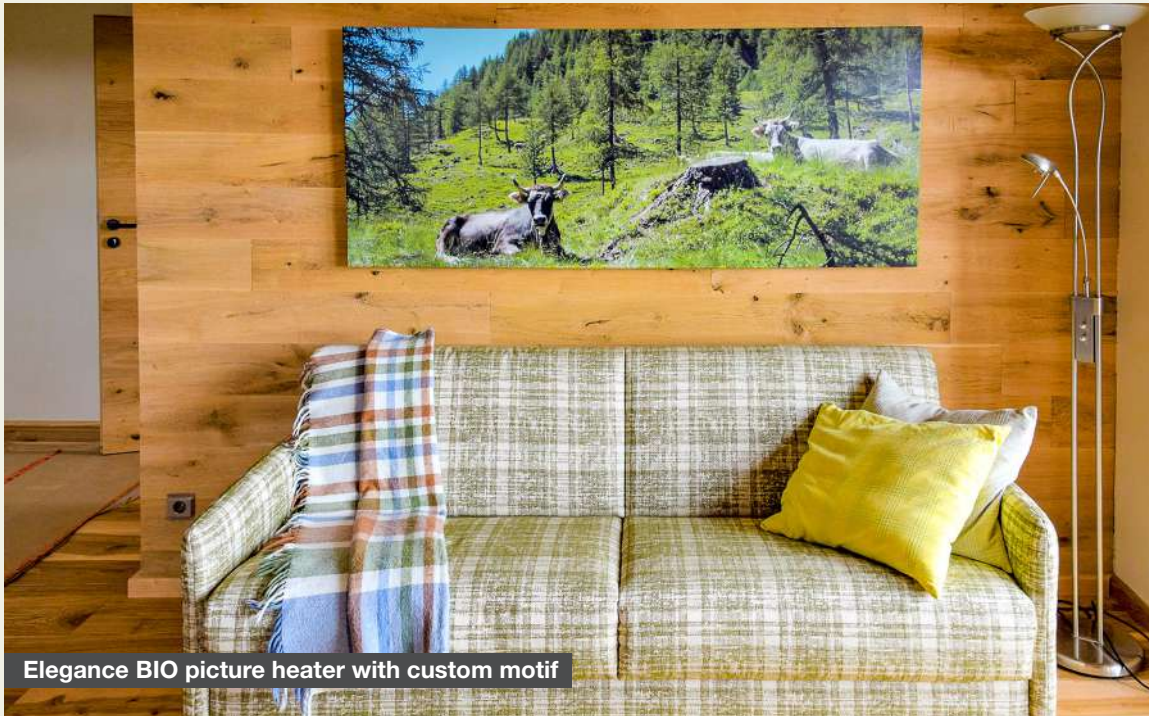


Elegance BIO picture heater with custom motif



BlackBoard panel heater in the bathroom





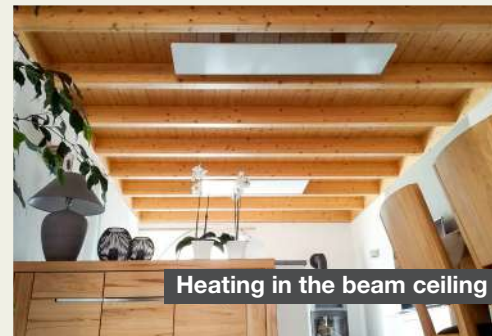
Elegance BIO picture heater with custom motif



Infrared heater in the modular living concept of the Prinz Holzbau company



HALLER BlackBoard in the sunroom



Heating in the beam ceiling



Converting from night storage to infrared

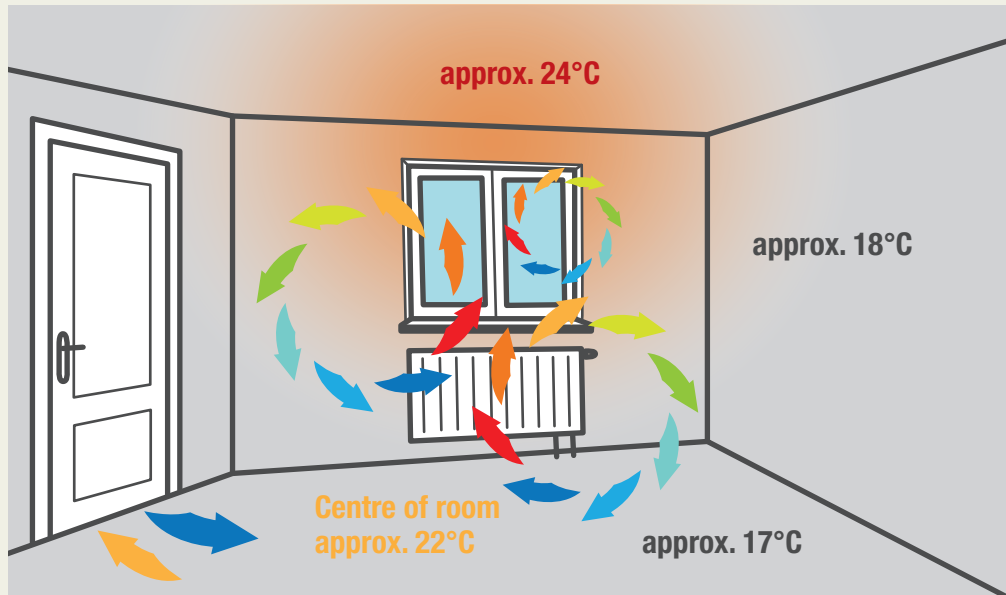


Picture heater in the Engel Inn



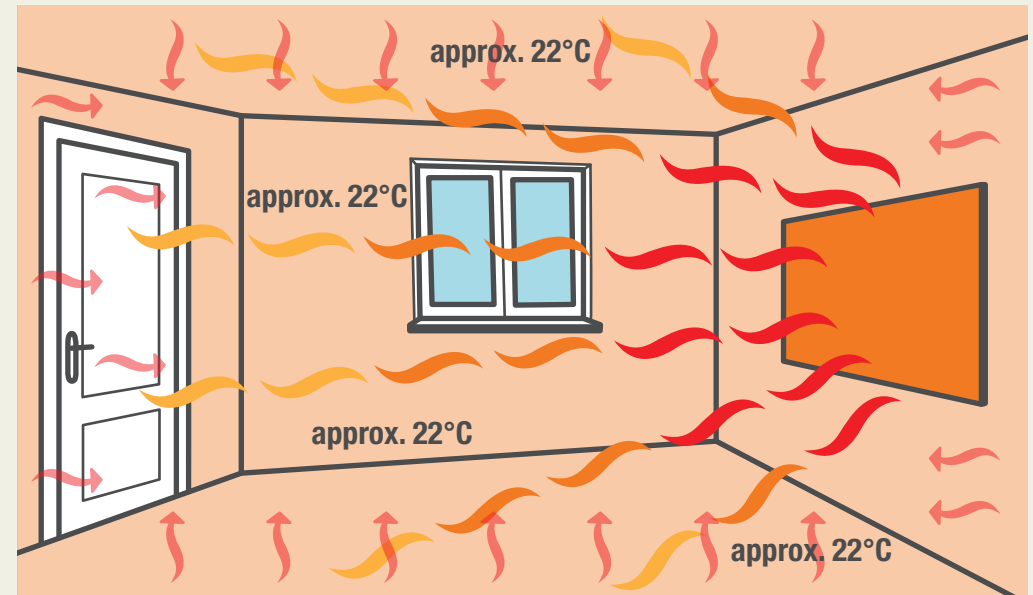
# THE HALLER INFRARED HEATER

## OPERATING PRINCIPLE



### CONVECTION HEATING

Conventional heaters heat the air in the room, so there is a greater temperature difference between the floor and ceiling in the room. The warm air rises to the ceiling, cools down, falls down the wall and cools down further on the floor before returning to the radiator. This stirs up dust in the room and allows moisture to penetrate the walls, which can lead to mould.



### INFRARED HEATING

Infrared heating heats walls and objects in the room, which store the heat and release it evenly back into the room. This provides a cosy, comfortable warmth. Dust is no longer stirred up and the walls remain dry. Heat is stored in walls and floors, so there is hardly any heat loss during ventilation.

# OUR FAVOURITE PRODUCT

## HALLER ELEGANCE BIO



Power	Size H x W x D	Elegance BIO	Elegance BIO image/ custom motif	BlackBoard (panel)	Exklusiv (glass) & Reflex (mirror)
170 watts	60 x 25 x 2.9 cm	☒	☒	☐	☐
250 watts	90 x 25 x 2.9 cm	☒	☒	☒	☐
350 watts	60 x 50 x 2.9 cm	☒	☒	☒	☐
500 watts	120 x 38 x 2.9 cm	☒	☒	☒	☐
680 watts	100 x 62.5 x 2.9 cm	☒	☒	☒	☐
710 watts	170 x 38 x 2.9 cm	☒	☒	☒	☐
850 watts	110 x 70 x 2.9 cm	☒	☒	☒	☐
1,000 watts	150 x 60 x 2.9 cm	☒	☒	☒	☐
1,250 watts	150 x 75 x 2.9 cm	☒	☒	☒	☐
1,500 watts	180 x 75 x 2.9 cm	☒	☒	☒	☐
360 watts	53 x 63 x 2.4 cm	☐	☐	☐	☒
650 watts	103 x 63 x 2.4 cm	☐	☐	☐	☒
950 watts	143 x 63 x 2.4 cm	☐	☐	☐	☒

**90-MONTH  
GUARANTEE**

on our HALLER Elegance BIO

### HEALTHY CLIMATE OF WELL-BEING

Our HALLER BIO infrared heaters enhance your health and provide a wholesome and energetic climate of well-being.

### NATURAL AND ENVIRONMENTALLY FRIENDLY

HALLER BIO is an innovative heating system manufactured from components that are as close to nature and environmentally friendly as possible.



# STRUCTURE

## OF OUR INFRARED HEATER

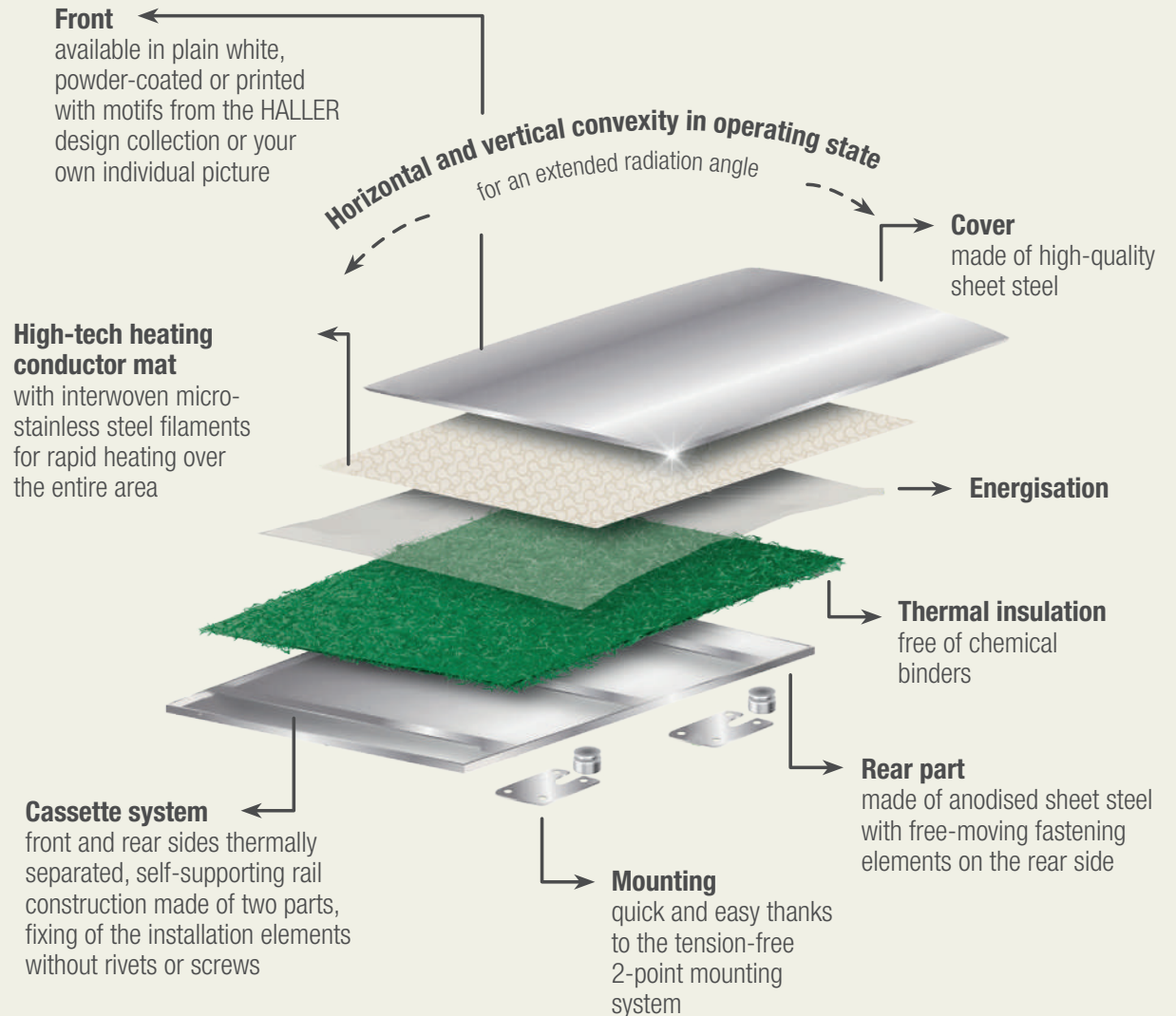
### USING ELEGANCE BIO AS AN EXAMPLE

Our Elegance BIO infrared heaters stand out thanks to the new, innovative powder coating with ceramic components. This features improved radiant power, easier cleaning and higher temperature resistance.

The thermal separation of the front and rear side ensures that the front side heats up quickly, resulting in very high radiation efficiency towards the front. Thanks to this innovative design, the rear side heats up only minimally and hardly radiates at all to the rear.

The diagram shows the high-quality components that make up our HALLER Elegance BIO infrared heater.

During an on-site visit,  
we will introduce you to our  
10 unique selling points



# PICTURE HEATER

## INFRARED HEATER AS AN EYE-CATCHER

### INDIVIDUAL DESIGN

Our HALLER infrared heaters can be adapted individually and effectively to your personal living situation.

The absolute eye-catcher is the HALLER design surface that we offer for the “Elegance BIO” model. The surface of your infrared heater is printed with a motif, transforming it into a decorative room element.

You can choose a motif from our image pool or put your own personal photo on your HALLER infrared heater.



Motif „Gewürze“



Motif „Pasta“



Motif „Löwe“



Motif „Venedig“



Motif „Theater“



Motif „Sandstrand“

Further motifs from our image pool can be found in our separate flyer

### YOUR DESIRED MOTIF IN THREE SIMPLE STEPS



Select an infrared heater from the “Elegance BIO” series with the desired wattage.



Send us your own personal photo, for example a picture of your last vacation.



We print your photo on the HALLER infrared heater with our new UV LED flatbed printer.





# OUR PRODUCTS IN USE

## A SHORT LOOK INSIDE



### NEW BUILDING 3-FAMILY HOUSE with shop area

<b>Location</b>	Löchgau
<b>Year of construction</b>	2014
<b>Heated area</b>	92 m <sup>2</sup> /RU
<b>Heating consumption</b>	2014 – 2015: 32.74 kWh (m <sup>2</sup> p.a.) 2015 – 2016: 36.73 kWh (m <sup>2</sup> p.a.)



### PASSIVE HOUSE FROM 1999 Timber-frame construction

<b>Location</b>	Schemmerhofen
<b>Year of construction</b>	1999
<b>Heated area</b>	150 m <sup>2</sup>
<b>Heating consumption</b>	3,700 kWh



### MAISONETTE APARTMENT rented

<b>Location</b>	Ertingen
<b>Year of construction</b>	Approx. 1970
<b>Heated area</b>	86 m <sup>2</sup>
<b>Heating consumption</b>	2014 – 2015: 3,956 kWh



### 2 APARTMENT BUILDINGS with 14 residential units

<b>Location</b>	Besigheim
<b>Year of construction</b>	2016
<b>Heated area</b>	Approx. 100 m <sup>2</sup> /RU
<b>Heating consumption</b>	Approx. 4,400 kWh



### SEMI-DETACHED HOUSE Wooden house

<b>Location</b>	Ravensburg
<b>Year of construction</b>	2017
<b>Heated area</b>	123 m <sup>2</sup>
<b>Heating consumption</b>	2018: 5,400 kWh



### EHRENFELS CASTLE Event location

<b>Location</b>	Near Hayingen
<b>Year of construction</b>	1740
<b>Heated area</b>	200 m <sup>2</sup>
<b>Installed</b>	2011



# OLD BUILDINGS



“HALLER Infrarot has proven to be the ideal solution for our half-timbered house, which was previously equipped with old night storage heaters. The conversion was carried out quickly and without great expense, and we are now enjoying very pleasant warmth. Combining it with our Scandinavian wood stove also works perfectly thanks to the fast heating time of HALLER heaters.”

*Jan S.*

## KEY DATA

<b>Location</b>	Vaihingen an der Enz
<b>Year of construction</b>	1875
<b>Living space</b>	170 m <sup>2</sup>
<b>Wall structure</b>	Timber frame 20 cm
<b>Insulation</b>	None
<b>Components</b>	HALLER Elegance BIO
<b>Supplementary heating</b>	Scandinavian wood stove, 1.5 st of wood
<b>Heating consumption</b>	Approx. 9,900 kWh/year previously with night storage approx. 20,000 kWh/year
<b>Connected load</b>	Approx. 10.25 kW
<b>Hot water</b>	Boiler
<b>Total costs</b>	€17,500 including installation
<b>Duration</b>	2 weeks after order Conversion within 2 days

# APARTMENT

“We rented out the apartment, and since the tenants are at work all day, it was important that we install a simple system that would maintain basic heat during the day and provide comfortable warmth in the evening. Easy billing via the electric meter was also important to us.”

*The H. family*

## KEY DATA

<b>Location</b>	Bergatreute
<b>Year of construction</b>	1968
<b>Living space</b>	100 m <sup>2</sup>
<b>Wall structure</b>	Solid
<b>Insulation</b>	Rigips/Styropor
<b>Components</b>	HALLER Elegance BIO
<b>Supplementary heating</b>	Scandinavian wood stove, approx. 3 – 4 st of wood
<b>Heating consumption</b>	3,900 kWh/year
<b>Connected load</b>	7.3 kW
<b>Hot water</b>	120 L boiler
<b>Total costs</b>	€14,000 including installation
<b>Duration</b>	Between consulting and placing the order, the customer had 3 weeks to deliberate Assembly within 2 days





# NEW BUILDINGS



“When we decided to build again, we first opted for a prefabricated house without a basement with a gas boiler. However, our DAN-WOOD sales consultant at the time drew our attention to the option of heating with infrared and to the HALLER company. Mr Haller gave us detailed consulting on site and we could feel the pleasant infrared warmth. Together with the domestic hot water heat pump and the PV, we have a self-sufficient energy concept for our house. Thanks to the flat rate, we can use our generated electricity when we need it.”

*The Kämpf family*

## KEY DATA

<b>Location</b>	Near Münsingen
<b>Year of construction</b>	2018
<b>Living space</b>	130 m <sup>2</sup>
<b>Wall structure</b>	Timber frame construction 36 cm
<b>Insulation</b>	DAN-WOOD concept
<b>Components</b>	HALLER Elegance BIO, photovoltaic system, domestic hot water heat pump, ventilation system with heat recovery
<b>Consumption</b>	Heating: 3,000 kWh/year; hot water: 1.000 kWh/year
<b>Connected load</b>	8.4 kW
<b>Hot water</b>	Domestic hot water heat pump
<b>Total costs</b>	€ 13,500 including installation
<b>Duration</b>	Electrical connections were included in the design by the architect and placement determined. Heaters were ordered on demand and delivered on time.



# WOODEN HOUSE



“We opted for the heating system from HALLER Infrarot and are still happy with our decision and enjoy the pleasant warmth in our rooms. For us, the infrared heat fits perfectly into our solid wooden house concept. The climate is very natural and pleasant. We also appreciate that the heating system from HALLER Infrarot adapts quickly to our needs. The heating panels can be quickly controlled depending on the outside temperature and your own feeling, and they give off the right amount of heat within a very short time.”

*Stephan Meschenmoser, architect*



## KEY DATA

<b>Location</b>	Sattelbach
<b>Year of construction</b>	2011
<b>Living space</b>	200 m <sup>2</sup>
<b>Wall structure</b>	Thoma Holz100 solid wood wall 30 cm
<b>Insulation</b>	3.5 cm wood fibre
<b>Components</b>	HALLER Elegance BIO
<b>Supplementary heating</b>	Wood storage stove, 2 cubic metres of wood
<b>Heating consumption</b>	3,200 kWh/year
<b>Connected load</b>	5.5 kW
<b>Hot water</b>	Instantaneous water heater

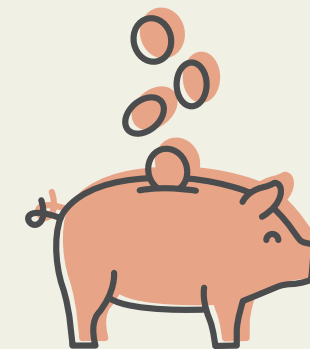


# COST-EFFECTIVE HEATING

## INFRARED HEATER COST COMPARISON

Investment costs*	Heat pump air	Oil	Gas	Pellet	HALLER
Heat generation including heating circuit distribution and regulation	16,000.00	11,000.00	8,500.00	17,000.00	10,800.00
Hot water preparation (for HALLER hot water preparation see page 27)	2,000.00	2,000.00	2,000.00	2,000.00	3,299.00
Construction costs Heating oil or pellet storage, sump, gas connection, painting (150/m <sup>3</sup> of enclosed space)		2,000.00	1,800.00	4,000.00	
Underfloor heating	6,000.00	6,000.00	6,000.00	6,000.00	
<b>Total investment costs</b>	<b>24,000.00</b>	<b>21,000.00</b>	<b>18,300.00</b>	<b>29,000.00</b>	<b>14,099.00</b>
<b>Annual capital costs</b>					
Average useful life in years	15	15	15	15	15
Interest rate	3.00%	3.00%	3.00%	3.00%	3.00%
<b>Total annual capital costs</b>	<b>2,010.40</b>	<b>1,759.10</b>	<b>1,532.93</b>	<b>2,429.23</b>	<b>1,142.00</b>
<b>Operating costs</b>					
Replacement costs (replacement of heat generator after approx. 15 years)	333.00	490.00	395.00	350.00	
Annual maintenance costs	250.00	250.00	200.00	250.00	
Auxiliary energy (pump current)		30.00	30.00	40.00	
Chimney sweep		80.00	40.00	120.00	
Insurance (oil tank insurance)		70.00			
<b>Total operating costs</b>	<b>583.00</b>	<b>920.00</b>	<b>665.00</b>	<b>760.00</b>	<b>0.00</b>
<b>Consumption-related costs</b>					
Basic electricity price (heating electricity tariff)	120.00				120.00
Consumption-based energy costs	450.00	773.11	729.57	504.95	715.00
<b>Total consumption-related costs</b>	<b>570.00</b>	<b>773.11</b>	<b>729.57</b>	<b>504.95</b>	<b>835.00</b>
<b>Annual heating costs</b>	<b>1153.00</b>	<b>1,693.00</b>	<b>1,394.57</b>	<b>1,264.95</b>	<b>835.00</b>
<b>Total annual costs in euro/year</b>	<b>3,163.40</b>	<b>3,452.10</b>	<b>2,927.50</b>	<b>3,694.18</b>	<b>1,977.00</b>

Our infrared heaters can be ideally supplemented with photovoltaics and a power storage system. Further details on page 27.



\*All prices quoted are non-binding gross approx. euro prices, calculated for a single-family house KfW 70 with 125 m<sup>2</sup>. No guarantee is given for the correctness of this calculation, which was prepared by an independent energy consulting company. No legal claim can be derived from it.

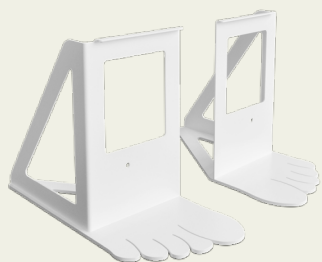
# FURTHER PRODUCT SOLUTIONS

## HEAT FOR YOUR HOME

Our product variety of infrared solutions offers warmth for every situation. Our HALLER infrared heaters also include various mobile solutions that can be used flexibly wherever warmth and well-being are needed at short notice.



Our HALLER MultiPUR as a foot heater in front of the sofa.



### STANDS

Infrared heaters do not necessarily have to be installed in a fixed place. The stand makes the infrared heater mobile. It is available in different sizes and designs – straight and slightly slanted.



The HALLER table heater in the Gasthof Engel in Daugendorf keeps guests' legs warm.



HALLER Pylon mobile heater – in white and anthracite.



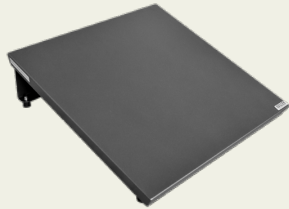
HeatTube for supplementary heating in the conservatory for instant warmth.



## MULTIPUR

### Foot heater

Our foot heater is very popular in workrooms and offices. It's particularly effective as a desk and space heater. In other words, wherever your feet need a little extra warmth.



Size H x W cm	Power in watts
40 x 40	120
40 x 40	220

## HEATTOWER

### Heat tower

HeatTower is a mobile heat source and can be plugged in and used wherever heat is needed at the spur of the moment.

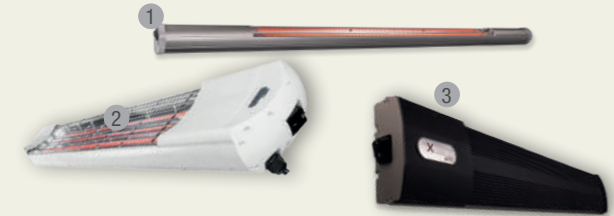


Size H x W cm	Power in watts
155 x 50	2,700

## DARK & LUMINOUS RADIATORS

### with low red light content

The energy-efficient radiant heaters provide healthy warmth and well-being wherever heat is needed quickly and at short notice.



	HeatTube (1)	HeatShine (2)	HeatZone (3)
900 watts	•		
1,800 watts	•		
2,400 watts			•
2,700 watts		•	
3,200 watts			•

## PYLON

### Bar table heater

Thanks to the castors, the Pylon can be easily transported to other rooms can be used as an ideal bar table heater for festivities.



Size H x W cm	Power in watts
109 x 80	1,400

## TABLE HEATER

### Warmth for the legs

The table heater keeps your legs pleasantly warm at the table. Optionally available is a foot rail to protect the shoes and castors with brakes.



Size H x W cm	Power in watts
72 x 61	680
72 x 61	1,000

## POWERHEATER

### for sunrooms & terraces

PowerHeater instantly provides the ideal radiant heat on terraces, in sunrooms, workshops, pergolas and for both wind-protected and covered outdoor areas.



	white	anthracite	toggle switch	pull switch	remote control	remote cont. & app	timer
1,400 watts	•	•	•	•	•		•
2,000 watts	•	•	•	•		•	

# OUR SOLUTIONS

## FOR BUSINESSES & CHURCHES

We have developed and enhanced heating solutions for industrial purposes and historic buildings. Our industrial heaters warm halls, workplaces and exhibition areas.

The products BenchHeater and OrbiHeater have been adapted to the needs of historical building fabric such as in churches and castles.



### LONGHEATER

Intelligent heat supersized

LongHeater boasts maximum energy efficiency. It's mounted on the ceiling and delivers intelligent heat for warehouses, production halls and sports facilities.



### COVERPLATE

Ceiling grid heating

The panels can be integrated into ceiling grids and combined with ventilation or lighting elements. The infrared area heating panel is perfect for offices, schools, production rooms and halls.



### ORBIHEATER JUNIOR

For high rooms

The small OrbiHeater has a diameter of one metre and is ideal for rooms with high ceilings or for entrance areas. It's available with high-quality lighting on request.







## OUR REFERENCE CHURCH

St. George's Chapel in Tettang

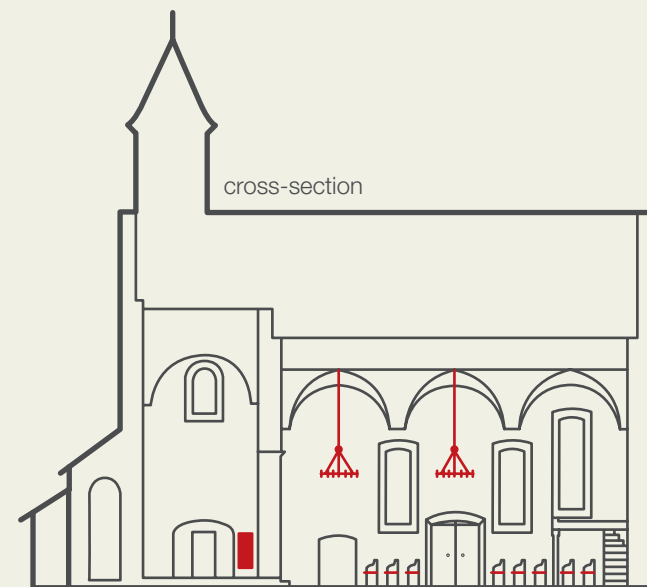
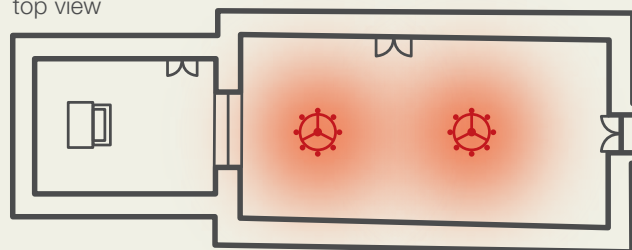
Visit St. George's Chapel in  
88069 Tettang auf dem Montfortplatz 3.



Scan the QR code and take a 3D tour  
of St. George's Chapel!

<https://www.haller-infrarot.com/en/st-georges-chapel-3d>

top view



## ORBIHEATER

Churches & historical buildings

OrbiHeater is simply hung in the ceiling  
without interfering with the building fabric.  
It's available with high-quality lighting on request.



## BENCHHEATER

Under-seat infrared heat

HALLER BenchHeater provides intelligent heat  
under benches. The rays heat the feet and  
the floor. This makes it possible to provide  
effective partial heating in large halls, for  
example in churches.



# THE HALLER INFRARED HEATER

## THE BENEFITS FOR YOU



### WARMTH AND WELL-BEING AS IF FROM THE SUN

HALLER infrared heaters provide comfortable radiant heat, comparable to the soothing effect of the sun's rays. This type of heat is perceived by the entire human body as very pleasant and gentle. Thus, our heat wave heaters create a completely new kind of well-being in every home.



### 100% MADE IN UPPER SWABIA

All individual parts of our infrared heaters are manufactured in the local area. The high-quality HALLER infrared heaters are handcrafted in our plant in Riedlingen.



### GOOD FOR YOUR HEALTH

The heat from our infrared heaters dilates the blood vessels, thus improving circulation. Since walls and objects in the room are heated, no dust is stirred up, which is especially good for allergy sufferers. This keeps the air humidity balanced so mucous membranes do not dry out. The health safety of our infrared heaters is confirmed by the IGEF electrosmog certificate.



### ENERGY AND COST SAVINGS

All infrared heating systems from HALLER are extremely cost-saving thanks to their excellent efficiency and minimal energy losses. Their actual energy requirement can also be optimised by controlling the room temperature via thermostats.





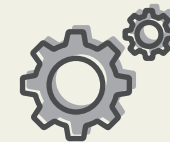
## INDIVIDUAL ACCORDING TO YOUR WISHES

We manufacture our HALLER infrared heaters entirely according to your wishes. We can produce special requests with respect to size and shape in small series for you. We print your own personal photo on your infrared heater with our high-quality UV printer.



## HEATING WITH STYLE

To avoid the need for many smaller heaters, we offer elements with up to 1,500 watts of power. This way, our infrared heater fits into your living concept without really standing out.



## INNOVATIVE TECHNOLOGY

HALLER infrared provides you with a maintenance-free heating system with a very long service life and without annual customer service costs. Our infrared heater features a short response time, from 0 to 90 degrees in 6 to 8 minutes. The elements are easy to maintain thanks to the smooth surface. The freely suspended housing design eliminates the usual cracking noises and also prevents unpleasant odours.



## EASY MOUNTING

Our 2-point mount with automatic safety device is attached to each of our infrared heaters. This allows for easy installation by just one person and a high degree of flexibility when it comes to placing the heater.

# THE OVERALL CONCEPT IN MY HOUSE

## CO<sup>2</sup>-NEUTRAL HEATING

Do you want CO<sup>2</sup>-neutral and self-sufficient heating? The HALLER energy world of experience offers everything from a single source for an ecological future.

PowerHeizer  
as patio heater

HALLER BIO Infrared mirror heater  
with LED attachment

WP boiler  
as a domestic hot water heat pump

Power storage system  
with cloud for 100% independence

HALLER BIO  
Infrarot heating element







The photovoltaic module  
as an energy generator for free electricity

HALLER BIO  
Infrared ceiling heater with LED lighting

HALLER BIO  
Infrared heating element

HALLER BIO  
Infrared heating element

HALLER BIO  
Infrared glass heater

Control/thermostat

Smart home integration possible – for the  
intelligent combination of energy generation,  
storage and consumer.



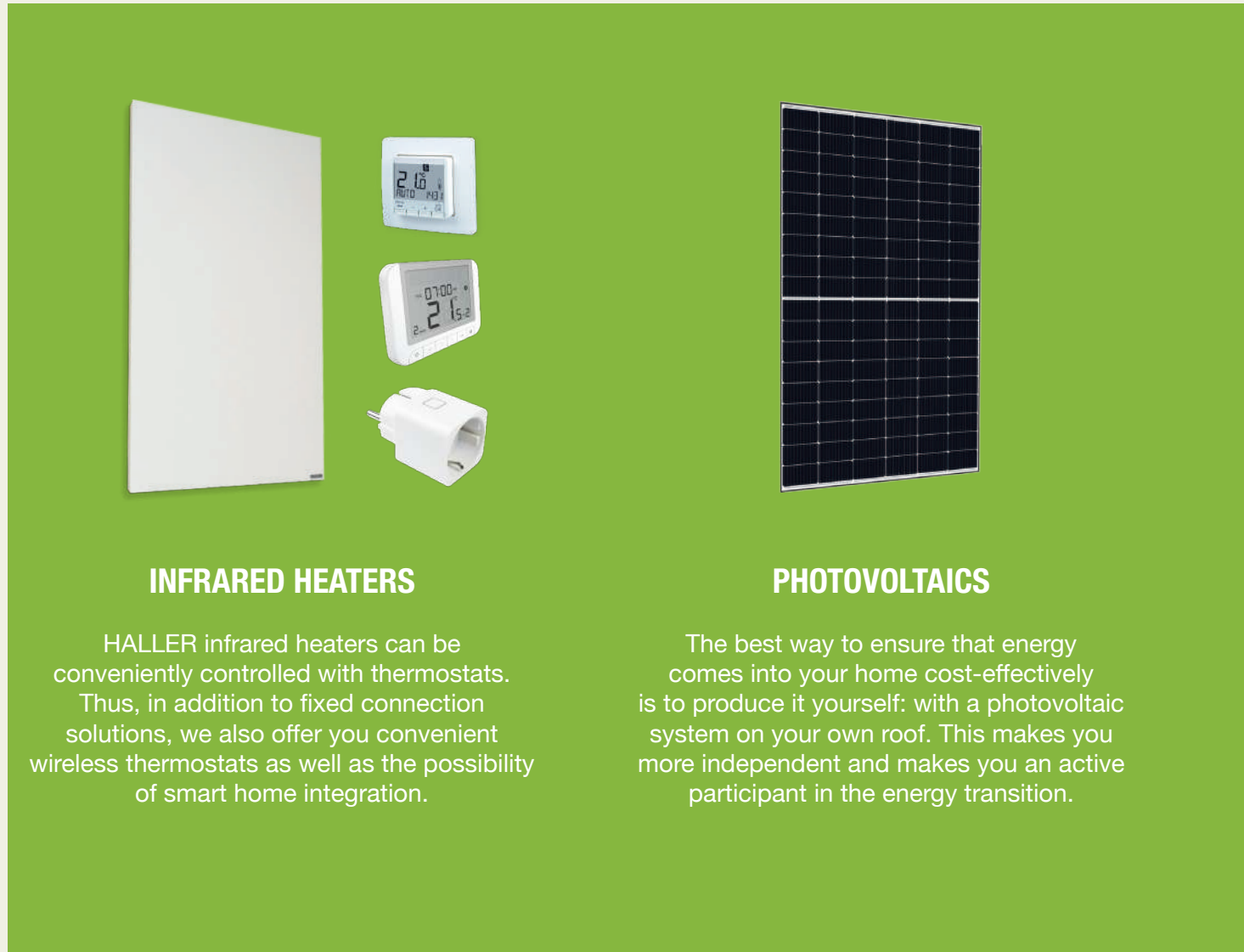
# EVERYTHING FROM A SINGLE SOURCE

## OUR COMPONENTS IN DETAIL

### GREEN AND INEXPENSIVE HEATING

We have developed a concept where ecology and economy go hand in hand. It enables you to heat a house or flat in an environmentally friendly way and at low cost – and to supply it with your own electricity. We offer everything regionally from a single source.

The concept of energy independence is based on four pillars: photovoltaics, power storage systems, infrared heaters and hot water preparation.



### INFRARED HEATERS

HALLER infrared heaters can be conveniently controlled with thermostats. Thus, in addition to fixed connection solutions, we also offer you convenient wireless thermostats as well as the possibility of smart home integration.

### PHOTOVOLTAICS

The best way to ensure that energy comes into your home cost-effectively is to produce it yourself: with a photovoltaic system on your own roof. This makes you more independent and makes you an active participant in the energy transition.





## POWER STORAGE SYSTEMS

With a power storage system, you can store the electricity generated during the day for the evening and night hours. The surplus electricity from the summer can be stored in a cloud. This is comparable to a bank where you deposit money to be able to withdraw it again when needed. For a small return delivery fee, you can get the electricity back in winter to use for heating.

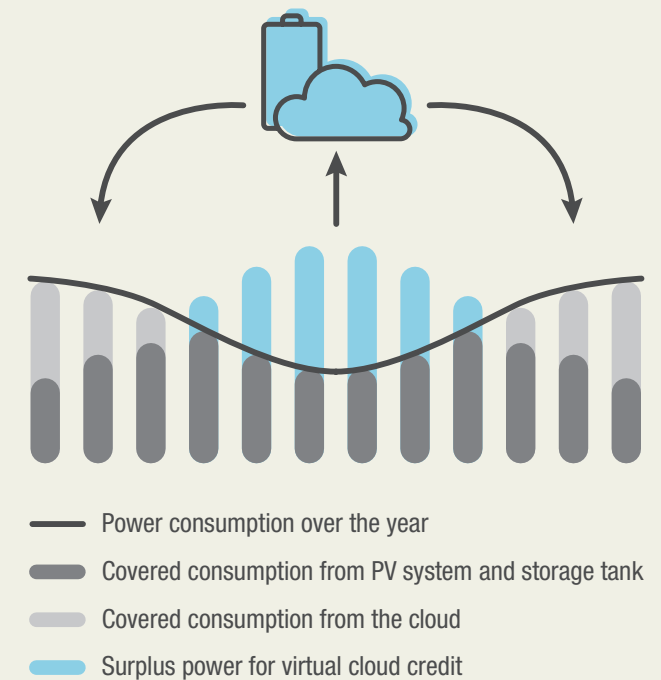


## DOMESTIC WATER HEAT PUMP

Our heat pump boiler extracts heat from the ambient air and uses it to heat the domestic water. This saves you up to 70% of the energy and costs of conventional hot water boilers. In addition, you can also use the electricity from your photovoltaic system for operation.

## 100% ENERGY INDEPENDENCE with power storage system & cloud solution

The surplus electricity from the summer can be stored in a cloud. It is comparable to a bank where you deposit money to withdraw it again when needed. Accordingly, for a small return delivery fee, you can get the electricity back in the winter to use for heating.



Own representation based on SENEK GmbH

# HALLER®

## INFRARED HEATING

**HALLER Energiefreiheit GmbH**  
 Siemensstraße 4  
 88499 Riedlingen  
 Tel. +49 7371 965 388

www.haller-infrarot.com  
 www.haller-energiefreiheit.com  
 info@haller-energiefreiheit.com

### Opening hours

Monday to Friday 9:00 AM to 6:00 PM  
 Saturdays by appointment

Appointments outside opening hours  
 are possible by arrangement.  
 Please feel free to call us!

We would be happy to offer  
 you a free tour of our plant.

## THE QUALITY OF OUR INFRARED HEATERS IS IMPRESSIVE



### CORDIAL INVITATION

We cordially invite you to a consulting session  
 in our plant with its new large showroom in  
 Riedlingen. We look forward to seeing you!

