

BLACK SUN  
HEATING  
infrared evolution

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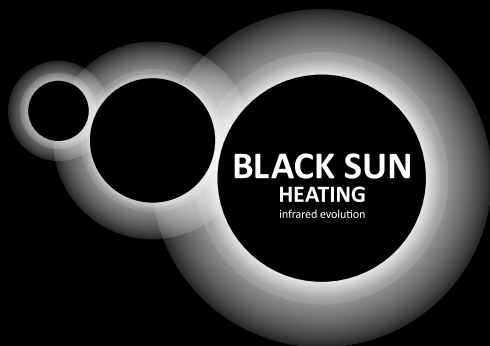
BLACK  
HEATING  
infrared evolution

***The evolution***

***of infrared heating***

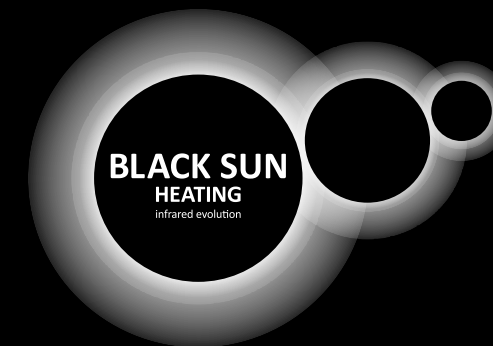
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**www.blacksunheating.com**



## Black Sun Heating (BSH) Heating panels based on far infrared waves.

BSH is a unique collection of infrared heating panels for inside or outside use. This system has economic advantages compared to the convectional heating solutions, where you can combine thermal comfort and control expenses. With a Smart electronic system, BSH is the intelligent heating system.



## MULTIPLE APPLICATIONS

### RESIDENTIAL

The BSH panels create in every room of your house the desired warmth. It's an ideal heating solution for every place in a house as well as in any living area.

The thermal comfort is exceptional because of a continuous and stable warmth of every material present in the room. If you have a good or bad isolation, there is a good solution based on the way it is implemented and the correct sizing of the elements. To create a perfect match between comfort and design, the panels are available in different colours, mirror or even personalised images.

### PROFESSIONAL

Zonal application or spot heating is one of the many advantages. You can only warm up where and when it matters most. Another advantage: BSH panels fit exactly in false ceilings. Installation or any modification and / or removal is simpler and much less expensive. BSH panels offer offices, workspaces and public buildings the perfect alternative.

### MEDICAL

BSH infrared heating panels produce no emissions and minimize airflow, which also reduce the dispersion of dust and bacteria. They are beneficial to the health of patients and medical personnel. This is the ideal heating system for asthmatics.



Standard design  
or personalised

## WHAT'S THE MAGIC BEHIND IT.

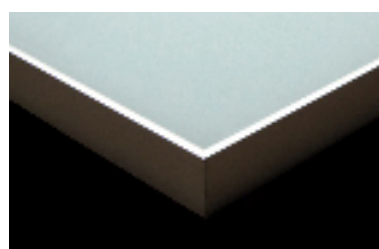
### Direct Heat transfer ....

BSH infrared radiant panels act exactly like the sun. They do not heat the air, but the objects or matter.

As we are «objects», its radiation heats us directly and independently of the air temperature.

The sensation is similar to the warmth of the sun on the skin on a cold winter day. It is not necessary to have a high temperature in the whole room or wait until the air is heated up, before you have a good sensation. Since all the surrounding materials are heated, they will also give the accumulated heat more or less slowly to the air that is heated indirectly ...

The same principle as how the sun heats our planet.



## ADVANTAGES

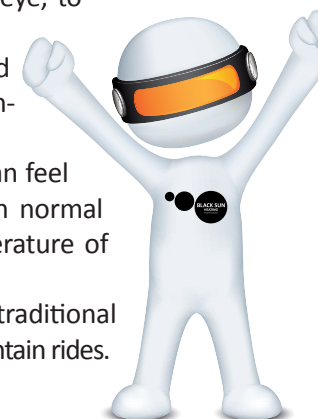
### FEELING

Longwave infrared radiation is a specific type of light, invisible to the eye, to which we are very sensitive.

The infrared is easily absorbed by the body and creates a sensation of intense heat.

On a sunny Winter day, we can feel perfectly fine in the sun with normal clothing, although the temperature of the air is frozen.

The best examples are the traditional scenes after skiing or high mountain rides.



### HEALTH

Infrared heating stimulates blood circulation and reduces humidity in buildings.

By minimizing the air flow it will also reduce the circulation of dust and bacteria, which makes this heating also non-allergenic.

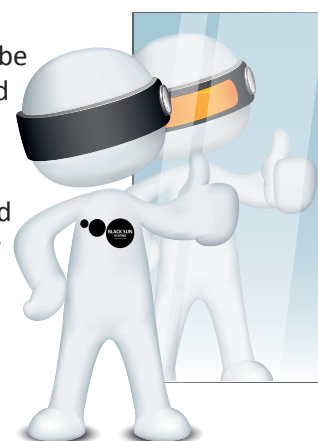


### SAVING SPACE

Optimization of space.

BSH heating panels can be mounted on the wall and ceiling, allowing you to gain space to live and work.

With its elegant design and variety of formats and colour combinations, BSH panels adapt to any environment.



### SECURITY

BSH uses no flame, which completely eliminates the risk of fire and explosion or intoxication.

CE Conformity and SGS certification.

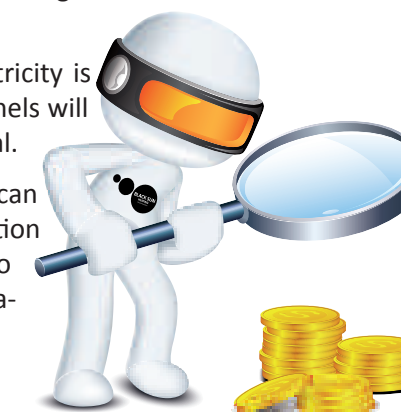


### ENERGY REDUCTION AND ENVIRONMENT

The energy saved can reduce greenhouse gas emissions.

In addition, if green electricity is used, the BSH heating panels will be completely CO2 neutral.

For specific reasons, BSH can reduce energy consumption by 25-50% compared to traditional convection heating systems.



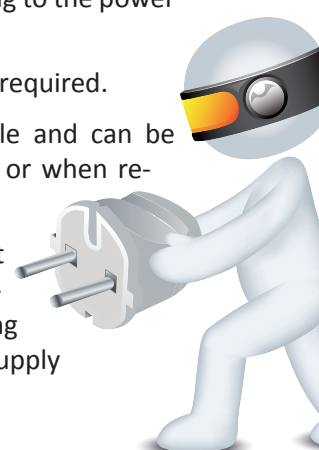
### SIMPLICITY

The BSH heating panels are very easy to install simply by connecting to the power supply.

No piping or chimney are required.

They are also very mobile and can be moved easily for a move or when renovating your building.

In addition, they do not require maintenance, because they have no moving parts, no burner, no supply pipe ...







## BLACK SUN HEATING (BSH) last generation heating system.

Of course, our radiant panels can be controlled by a remote radio frequency system and / or with an on / off switch. But BSH is also much more than that.

With BSH Home Control you can control and manage your temperature with your phone, tablet or computer, sitting comfortably on your couch, from your office, in your car, or even thousands of miles from your home.

BSH Home Control is a component of a wide range of existing home automation.

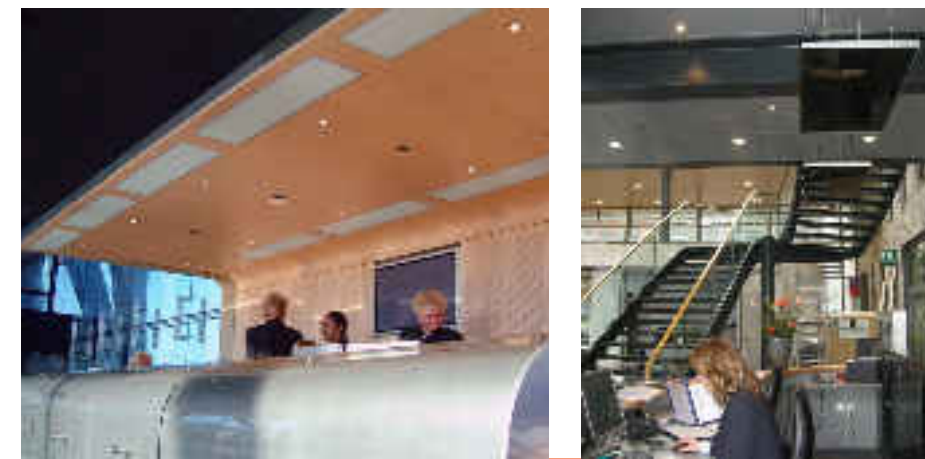
Therefore, BSH Home Control can be added to or be the start of a future expansion of home automation.



## EXAMPLES OF USE

### Rooms and Receptions

Lobbies and receptions are often difficult to heat and this can be very costly to maintain a comfortable temperature for customers as well as for employees. With the BSH system, the advantage is to provide thermal comfort only on the strategic places where you need it.



### Workshops, Garages, Industries

The thermal comfort of a technician makes her/him. Knowing the cost of sick leave by companies, we quickly understood that the heating system BSH is an motivating investment and offers good return on investment.

It's the same for machinery that requires a minimum of thermal energy to function properly.



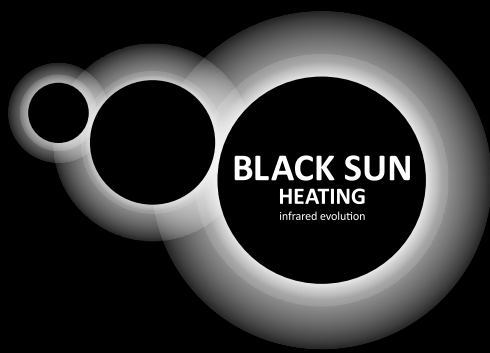
### Offices & +

One of the advantages of the Black Sun Heating system is to heat differently for different areas in a same room. Therefore, this gives the opportunity to each employee to choose their thermal comfort that fits him/her best. Another advantage: the BSH panels fit exactly in suspended ceilings that is widely used in offices.

Installation, any modification when rooms usage is changed or eventual removals are simpler and much less expensive than with traditional systems.







## EXAMPLES OF USE

### Farm animals, zoo, ...

Some animals have a vital need for heat. The infrared radiation of BSH panels is ideal since it perfectly replaces sunlight. Several models of panels are available to suit every situation. Zoo and wildlife parks, horse farms, dogs, birds, reptiles, etc.



### Commercial space

Thanks to the BSH heating system that indirectly heats the air and does not circulate locally, the dust becomes much less on the shelves and sales items. We also control large commercial space through our BSH Varmigo.



### Hospital

All convection heaters cause circulation of dust, germs, bacteria, etc. This is not the case with the BSH heating system that heats the material which in turn heats the air without circulating and spreading dust, germs and bacteria.



## EXAMPLES OF USE

### Houses, apartments, castles, caravans, ...

The BSH heating system is ideal for any type of homes as for any place where we live. The thermal comfort is exceptional thanks to a homogeneous and stable heat coming from the surrounding material. Well or poorly isolated, you obtain the desired result just by correctly using it and install the appropriate equipment.



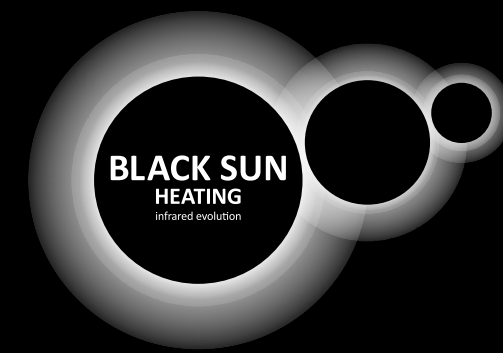
### Private terraces and Hotels, Restaurants, Bars

The BSH Outdoor model is designed for outdoor use with its degree of protection IP65. Its ultimate heating power will allow you to enjoy your terrace much longer. In the HORECA sector, this means your customers will stay longer at your place.



### Hall for Boats of the Armada of Belgium

The maintenance hall at Zeebrugge dry dock is so high that any heat produced by convection is lost directly, sucked in by the height and lack of insulation. The heat needed to work on the hulls of ships is provided by our BSH Outdoor model reaching 365 ° and therefore with very important infrared radiation.



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