

FAREFFECT

Let The Sun Shine In Your Greenhouse
With The Solarlike Heating Technology

What is Heat?

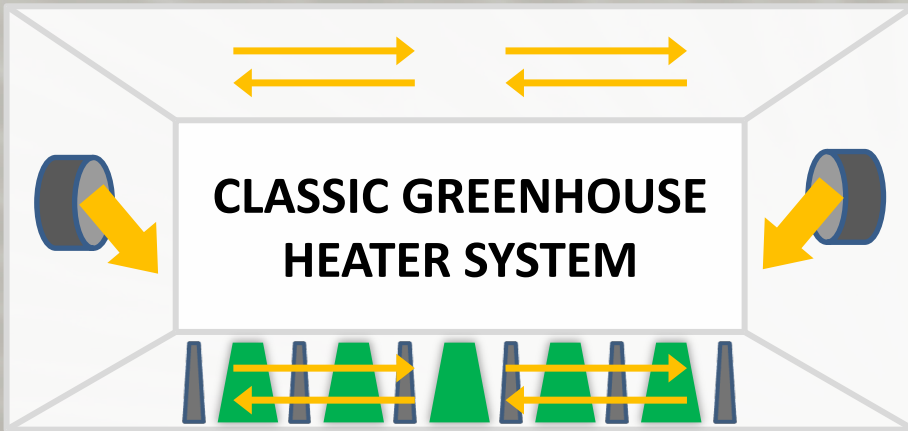


- Let us remind you again that the sun heats the Earth's surface from miles away but that it does not heat the air or the atmosphere.
- As it is known, the heat waves released by the sun to reach the Earth surface are the infrared waves, which enable a release of 750 to 1000 micrometers and move like a light.

- **Fareffect is a new generation heating technology, which outpaced all the traditional heating systems and revolutionized the field of heating. This new generation technology uses nanotechnology and turns 99.9 percent of the cleanest energy source electricity into heat.**
- **The brand Fareffect and its Heat Energy-Generating Technology (PCT) are both registered around the world.**
- **It is the only device offering the most comfortable and the least energy-consuming heating particularly when it comes to wide and outdoor places (Homogeneous & Energy Efficient).**



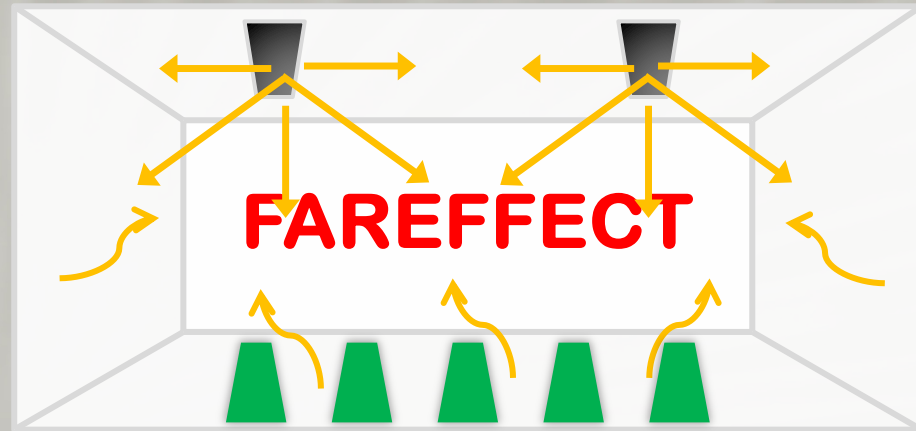
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Conventional Heating with Classic Heating Systems

The solar rays do not penetrate through glass or plastic, so they reflect and turn back.

- ❖ By means of the forced heating methods, air stream occurs due to heat difference in the entire area as a consequence of a natural convection.
- ❖ The balance between the heat and humidity varies in every part of the field owing to a constant circulation.
- ❖ With the air, the flying pests and harmful gases arising from the plant respiration in the environment prevent the plant from growing.
- ❖ Your production ends up with few gainings.



Far Infrared Heating with Fareffect Heating Systems

- ❖ The revitalizing effect of the sun is present in Far Infrared rays.
- ❖ 180-degree sun effect dominates the interior of the greenhouse with Fareffect.
- ❖ Objects and living creatures heat in an equal way.
- ❖ The objects that gain heat release heat in the ambient air in a stable way.
- ❖ Consequently, air stream does not occur.
- ❖ You do not face the frost risk.
- ❖ The balance between heat and humidity stays the same.
- ❖ You obtain high efficiency.
- ❖ The pests flying in the air disappear.
- ❖ No harmful gas such as ammonia or methane forms.

As you all know, heat is transmitted in three different ways:

- ❖ **Conduction**
- ❖ **Convection**
- ❖ **Radiation**

- **Conduction is the transmission of heat energy on an object. For instance, if you heat the end of a wire you will see that the other end is also heated.**
- **Convection is the transportation of heat energy as a result of the contact between two different environments.**
- **Today, most of the heating systems (central heating, floor heating system, and air conditioning etc.) consist of convectional systems.**
- **Radiant is, on the other hand, the transfer of heat by radiation between certain wavelengths.**
- **The most popular and beautiful example for this is the sun.**

Radiation has the following features:

- ✘ Radiation travels in the same pace with the speed of light.
- ✘ Radiation is linear and can be reflected.
- ✘ Radiation does not heat the environment.

What makes radiation advantageous compared to other systems is that it does not heat the air as underlined in the third article above.

Ventilation Loss

- ✘ Ventilation does not affect the infrared heat mechanism. In addition, the air affects the convectional heating mechanism as mostly cold air is fed in. As the room temperature (heated air) is low, the additional heat necessary to make up for this ventilation loss is significantly lower in infrared heating compared to air heating.
- ✘ In practice, there is a difference between natural and forced ventilation.



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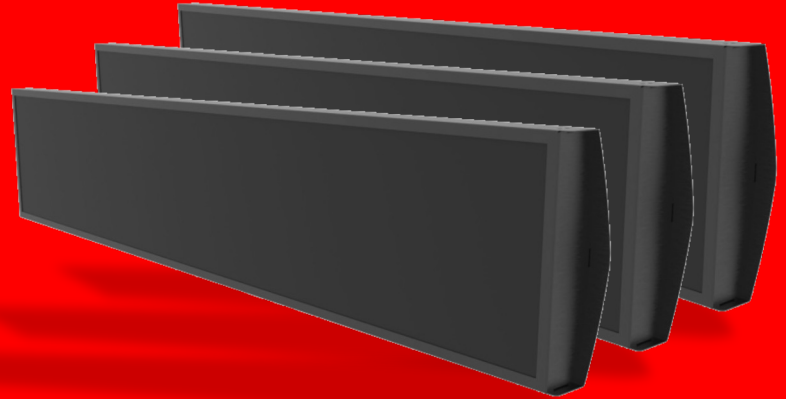
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THE ONLY REDUNDANT AND EFFICIENT HEATING SYSTEM IS FAREFFECT

In case of a malfunction in the heater, any damage to the raised products due to heat is prevented until the replacement as Fareffect Heater is evenly distributed and separately and abundantly placed in each area.



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FAREFFECT SOLALIKE HEATER TECHNOLOGY	FAREFFECT FI-1000 FAREFFECT FZ-1000	FAREFFECT FI-2000 FAREFFECT FZ-2000	FAREFFECT FI-3000 FAREFFECT FZ-3000
Installed Power	Power 1000 W (Consumption is inversely proportional)	Power 2000 W (Consumption is inversely proportional)	Power 3000 W (Consumption is inversely proportional)
Ideal Heating Area (It varies according to need.)	5-10 m² (FI-1000) 5-10 m² (FZ-1000)	5 – 20 m² (FI-2000) 20 – 100 m² (FZ-2000)	5 – 30 m² (FI-3000) 30 – 100 m² (FZ-3000)
Voltage and Frequency	230V / 50 Hz (FI-1000) 380V / 50 Hz (FZ-1000)	230V / 50 Hz (FI-2000) 380V / 50 Hz (FZ-2000)	230V / 50 Hz (FI-3000) 380V / 50 Hz (FZ-3000)
Electrical Protection Class	IP 42 (Heating Surface Parallel to the Ground)	IP 42 (Heating Surface Parallel to the Ground)	IP 42 (Heating Surface Parallel to the Ground)
Fuse Current	6A	10A	16A
Heating Area	Room, Under the table, Single Animal Paddock, Cabin, Cage	Room, Glass Balcony, Open Area, Poultryhouse, Greenhouse, Corral, Barn, Tent	Room, Glass Balcony, Open Area, Poultryhouse, Greenhouse, Corral, Barn, Tent
Heating Surface	55 x 22 x 4 cm	110 x 22 x 4 cm	110 x 25 x 4 cm
Smart Programming	Optional	Optional	Optional

CONSUMPTION COMPARISON OF FAREFFECT AND OTHER HEATING SYSTEMS

34% MORE EXPENSIVE WITH HEAT PUMP

450% MORE EXPENSIVE WITH ELECTRICITY

100% MORE EXPENSIVE WITH NATURAL GAS

500% MORE EXPENSIVE WITH NUMBER 4 FUEL OIL

180% MORE EXPENSIVE WITH IMPORTED COAL

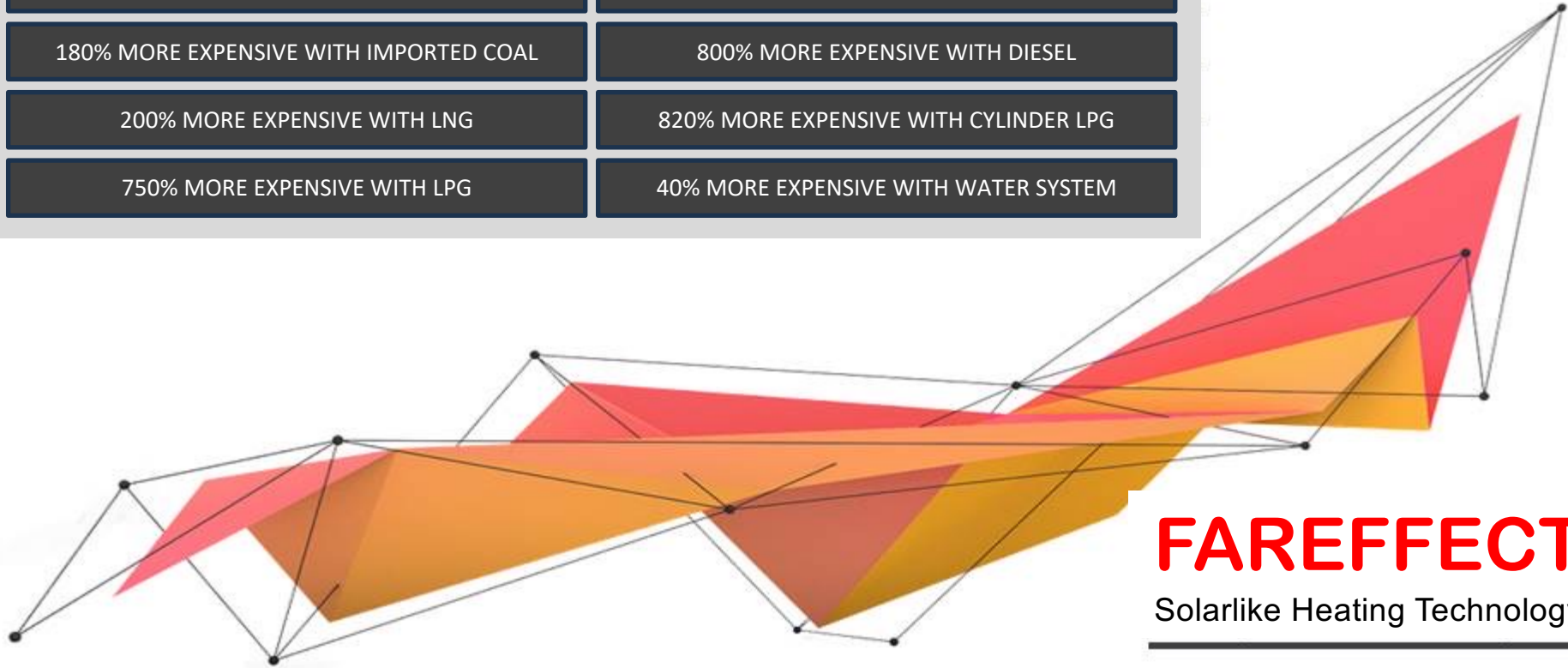
800% MORE EXPENSIVE WITH DIESEL

200% MORE EXPENSIVE WITH LNG

820% MORE EXPENSIVE WITH CYLINDER LPG

750% MORE EXPENSIVE WITH LPG

40% MORE EXPENSIVE WITH WATER SYSTEM



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**MEET OUR TECHNOLOGY ENABLING
RED, JUICY AND TASTY
STRAWBERRIES
THAT CAN BE HARVESTED SOONER IN
ANY KIND OF CLIMATIC CONDITIONS**

The Heating Systems Pushing the Limits of the Physical Law and Still in Use

Apart from the fact that they heat with excessive energy, they also turn the greenhouse air into an uninhabitable, frowsty ambient where the incubator produces flies and germs.

They cause the formation of flies and viruses!
Even if an attempt is made to get rid of this situation using chemicals, this leads to decline in the product quality and increase in the harvest time.

DO NOT LET YOUR GREENHOUSE BECOME FROSTED!

As your greenhouse cannot be heated homogeneously due to the technology of other heating systems, you have to deal with frost every year. Meet Fareffect Glass Panel Far Infrared Heater; the first and only heater with the capability of far infrared heating with 180 degree angle to avoid this disaster and damage.

YOU CAN TURN IDLE FACTORIES INTO GREENHOUSES...

**With Fareffect «Solarlike Greenhouse Heating
Technology»**

**you can produce tasty and juicy products
in places away from sunlight**



**With FAREFFECT «Solarlike Greenhouse Heating Technology»
you can produce tasty and juicy products.**

And with a very low heating cost...

It is not possible to grow plants in indoor places away from sunlight using the heating methods other than Fareffect.

The reason is that two factors are needed for the reproduction of the products such as tomato, strawberry, etc. in a greenhouse.

Light and heat. There is no sunlight in completely closed areas such as factory.

Heating process causes high costs owing to this fact.

With the technology it has, Fareffect heats the products and radiates by transmitting long wave infrared with 180 degree angle. The idle factories not in use can be turned into greenhouses thanks to this feature.

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Solarlike Greenhouse Heating Technology

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