



FAREFFECT

SOLARLIKE HEATER 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).

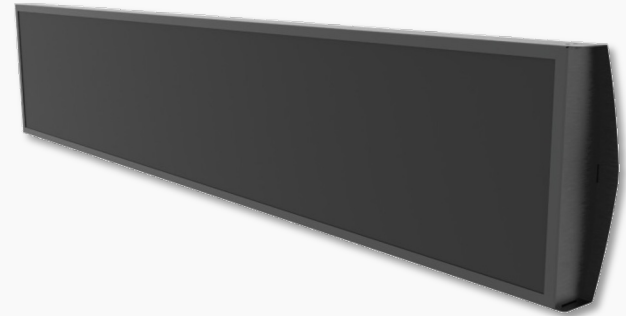


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ADVANTAGES OF FAREFFECT HEATING SYSTEM

- It is the heater with the least energy consumption.
- It heats the area homogeneously.
- It does not cause headaches or dry eyes
- It has an aesthetic appearance.
- It is long lasting.

100% heating, fully efficient production.



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:

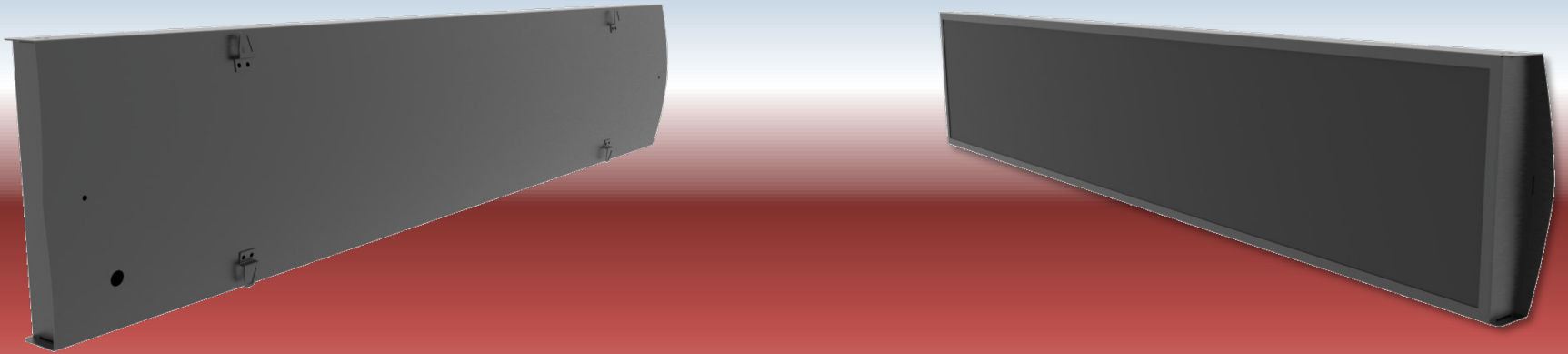
- × Radiation travels in the same pace with the speed of light.
- × Radiation is linear and can be reflected.
- × Radiation does not heat the environment.

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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**SOLARLIKE FAR INFRARED GLASS PANEL HEATER
FRONT AND BACK VIEW**

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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	230V (FI-1000) 380V (FZ-1000)	230V (FI-2000) 380V (FZ-2000)	230V (FI-3000) 380V (FZ-3000)
Frequency	50 Hz	50 Hz	50 Hz
Electrical Protection Class	IP 42	IP 42	IP 42
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
Overheating Safety	Yes	Yes	Yes
Isothermal Diffusion	Yes	Yes	Yes
Smart Programming	Optional	Optional	Optional
Easy and Fast Assembly	Yes	Yes	Yes

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

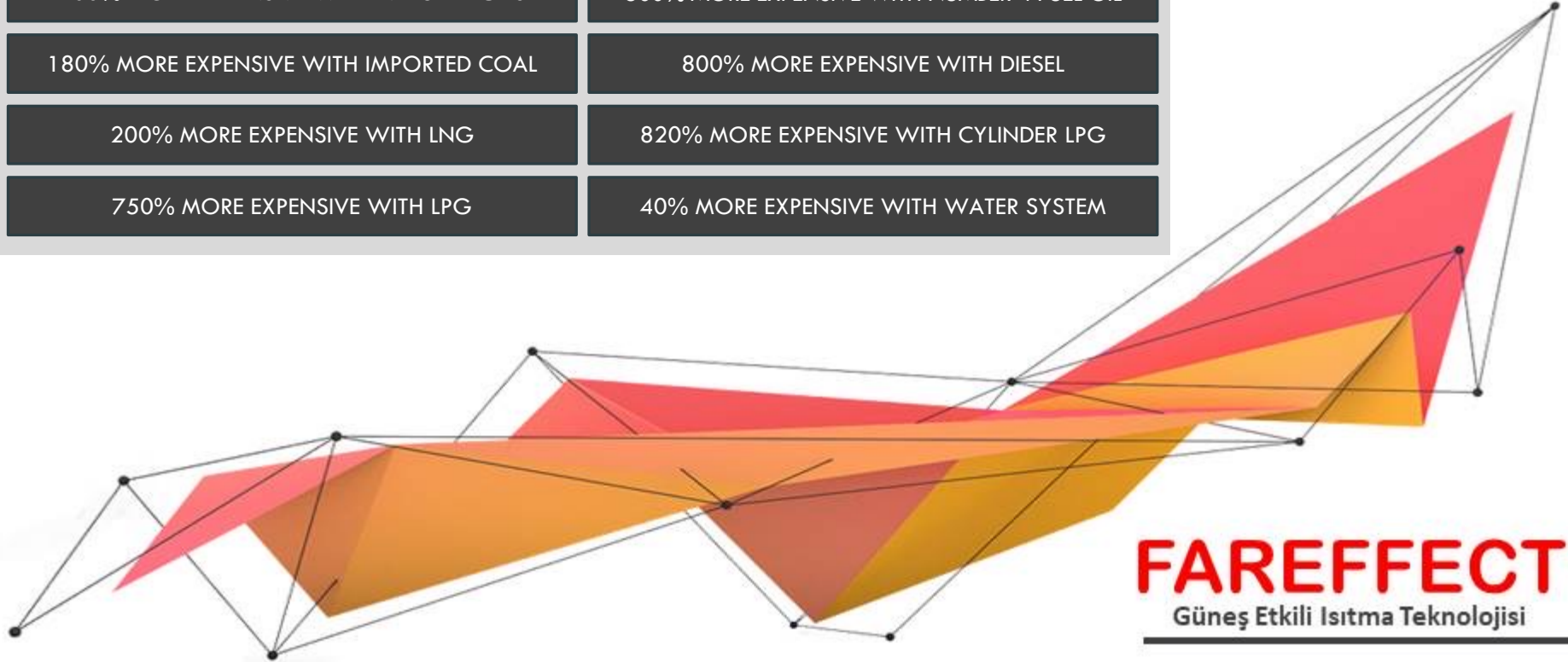
800% MORE EXPENSIVE WITH DIESEL

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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Güneş Etkili Isıtma Teknolojisi

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Heater Application Example



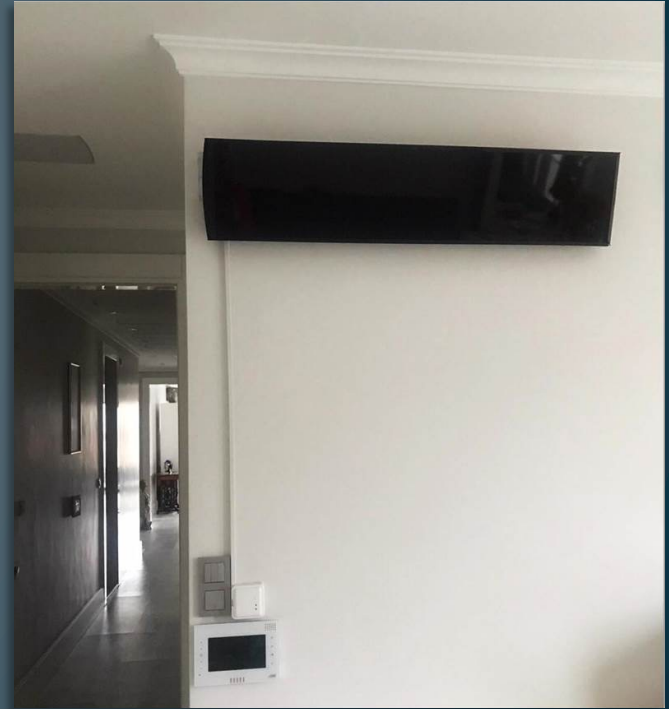
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Heater Application Examples



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Heater Application Example



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Heater Application Examples



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