Commercial Infrared Heating

The largest savings are delivered to **commercial infrared heating** clients, no matter what your current heating system we can calculate very quickly what your savings will be.

Hotels, Offices, large work spaces, open front shops, warehouses and outdoor areas all benefit from infrared heating as the people who work in them do,  through non convection heating, the spread of dust/germs and illnesses can be greatly reduced by utilising infrared heating.

On average we will save your business around 60% savings on your current gas/oil/LPG heating system.

Take the first step to a healthier, lower cost heat for your home or work place

Bee operates a nationwide supplier and installer network, thus providing you with a fast installation service and fanatical customer support.  Complete your details below for a free no obligation quotation.

**Download independent university review of infrared heating [**[**complete report**](http://www.beehiveenergy.co.uk/BIR_Brochures/Case_Study-Differences_Gas_Infra-Red.pdf)**], [**[**synopsis**](http://www.beehiveenergy.co.uk/BIR_Brochures/Gas_vs_infrared_case_study_synopsis.pdf)**]**

Additional Savings from ZONE HEATING.

Due to the fact that IR heating comes up to temperature very quickly, you can shut down parts of your premises until you need them thus providing you with more savings.

**Say YES to...**

* The most superior panel on the market
* no noise
* no central system to break down
* no maintenance
* 5-6 hours on time for 24 hours heating due to mass heating not air.
* 50% to 70% electrical bill savings, and we have had cases of 78% savings.
* extensive reduction in damp/condensation
* healthy heating with no dust or bugs circulating in the air (non-convection type heating)
* helps with aching limbs, if you feel better when stepping into the sun, infrared is exactly the same.
* space saving
* can be powered from solar PV in the day
* low installation costs
* 10 year British warranty
* Made in England
* 30 Day Money Back Guarantee

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| --- |
| How Much Will You Save?  The Facts  The saving gained by switching to infrared heating is that you are no longer trying to heat the air in your premises, you are heating objects which in turn radiate heat back.  This is far more efficient as air cools very quickly and objects take longer and thus will be radiating heat back into a room.  Think of the sun heating the tarmac on roads, you get a heat haze due to the radiant heat put into the road from the sun, go back to the road after the sun goes down and it is still warm and radiating heat!  The same principle applies to objects in your home.  Once the thermal mass of a room/building has been brought up to temperature then it is far more cost effective to maintain the heat as they are objects not thin air.  The British standard for working out how much convection heat is required to heat air in a room within a building is the following BTU calculation:-  **Room Height x Room m² x 158 / 3.413 = KW required to heat room**  **For example** as above 110 m² room with a 2.9m ceiling height results in the following:-  2.9m x 110 x 158 / 3.413 = **14.767 KW**  Using Infrared Heating we don’t need as much KW due to the fact we are not heating air but objects. Based on a room height being no greater than 2.99m the following calculation is what is required to heat a room with infrared:-  **M² x 50w = 5.5KW**  **So the saving is 9.267 KW based on a 110m2 house with ceiling height 2.9m** |

**Call us today** to receive a no obligation quotation or email [assessments@beehiveenergy.co.uk](mailto:assessments@beehiveenergy.co.uk) with a **copy of your electric and fuel bill, the existing KW capacity of your heating system and the sizes of the rooms to be heated** (and plans showing any heights over 3m and insulation descriptions), also **temperature required** and **we will provide you with a calculation of savings and a quotation.**

| **Homes** |  | **Poorly insulated** | **Well insulated** |
| --- | --- | --- | --- |
|  | Recommended temperature °C | Required Watts per m² | Required Watts per m² |
| Living room | 22°C | 85 Watt | 75 Watt |
| Bedroom | 18 °C | 70 Watt | 60 Watt |
| Kitchen | 20°C | 77 Watt | 70 Watt |
| Study room | 22°C | 85 Watt | 75 Watt |
| Bathroom | 24°C | 93 Watt | 85 Watt |
| **Offices/work space** |  | **Non-insulated – Watt per m²** | **Insulated – Watt per m²** |
| Office | 22°C | 95 Watt | 85 Watt |
| Front desk | 22°C | 95 Watt | 85 Watt |
| Shop | 18°C | 90 Watt | 80 Watt |

Original Power Required for heating air rather than objects: