

November - Heating High Tech - Case Study



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Case Study: Infrared Heating Panels

Month:	November
Topic:	Heating
Case Study Title:	Infrared Heating



Source: Herschel Infrared Heaters, 2022

Name of the Climate or Social Enterprise or Activist Group:	Infrared Heating Ireland
What is their Story?	Infrared Heating Ireland is an Irish-based company established in 2010 that provide infrared heating technology to households. The company install entire heating systems and offer one-of-a-kind type of infrared heaters that offer low carbon footprint and cost-effective solutions. This solution offered to customers helps keep their outgoing costs low, as well as reduce their carbon footprint by using a more sustainable and healthy type of heating. As infrared is a natural type of heating, the carbon emissions from the heating is kept low as the heat produced is natural to our planet.
Link to the Case Study:	<p>Link: https://infraredheat.ie/</p> <p>Facebook: https://www.facebook.com/infraredheatingireland</p>



	<p>Instagram: https://www.instagram.com/infraredheatingireland/</p>
<p>Why is this a Good Example to Follow?</p>	<p>Infrared heating technology is one of the most cost-effective and environmentally friendly ways that you can heat your home. Infrared technology heats your home by converting electricity into radiant heat (Herschel, 2022). As infrared is part of the electromagnetic spectrum, this type of heat is more natural as it is the inherent type of heat emitted from our own bodies.</p> <p>Infrared heating works as a direct transfer of heat from the heater to the object (your body and the room) without heating the air in between. It is the same type of heat that we feel from the sun, and the same wavelength that is most efficiently absorbed by the body. The advantages of infrared heating include easy installation, cost efficiency, eco-friendly impact, and a long lifecycle.</p>
<p>What Impact has this case study example achieved?</p>	<p>By installing infrared heating systems into homes, this company has helped to reduce the household energy bills as well as the household carbon footprint. An infrared heating system is much more energy efficient than heat pumps or regular heating systems, and is powered by electricity which is much more healthy for the environment. Installing infrared panels is the best heating alternative to regular gas heating as it does not release the same harmful chemicals and emissions that heat pumps do, while also running off renewable energies. Over 15,000 homes in Ireland have already installed infrared heating panels in their homes, and all the work carried out by the company is governed by the WEEE Directive (Infrared Heat, 2021).</p>
<p>References</p>	<p>Cole, L. (2020, November 17). <i>How to cut carbon out of your heating</i>. BBC Future. https://www.bbc.com/future/article/20201116-climate-change-how-to-cut-the-carbon-emissions-from-heating</p> <p>Herschel. (2022, October 26). <i>Infrared heaters work by converting electricity into radiant heat</i>. Herschel Infrared North America LLC. https://www.herschel-infrared.com/how-infrared-heaters-work/</p> <p>Infrared Heat. (2021, February 25). <i>WEEE Directive</i>. Infrared Heat - Heating Specialist Ireland. https://infraredheat.ie/weee-directive/</p> <p>Infrared Heat. (2022, July 1). <i>Advantages of Infrared Heating - Infrared Heat</i>. Infrared Heat - Heating Specialist Ireland. https://infraredheat.ie/what-is-infrared-heating/advantages-of-infrared-heating/</p> <p>SEAI. (2022). <i>CO₂ Emissions</i>. Sustainable Energy Authority of Ireland. https://www.seai.ie/data-and-insights/seai-statistics/key-statistics/co2/</p>




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