



Empowering Homes Together

The Great British Insulation Scheme

**A joint success story of
EDF and Simple Green Energy
~ Loft Insulation ~**



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Empowering change

At Simple Green Energy, we have collaborated with **EDF** in delivering insulation measures across numerous areas under the **Great British Insulation Scheme (GBIS)**. It is our goal to help customers achieve improved energy efficiency. **EDF** are fulfilling an essential role in supporting the transitioning towards a **greener future**.

In this case study, we explore the **empowering journey** of **Mr. Sawant, a homeowner residing in the BR6 postcode area**. Mr. Sawant, along with his family, has lived in their property for a couple of years. Over time, they encountered challenges related to poor energy efficiency within their home. The case study presents the comparison pre and post the loft insulation. We conducted a retrofit assessment, assessing the existing energy efficiency of the property, and to determine the energy rating. Mr. Sawant was eager to explore sustainable ways to upgrade his family home and reduce the carbon footprint.

The Great British Insulation Scheme is an initiative launched by the UK government with the primary objective of enhancing energy efficiency in residential properties across the country. By targeting improvements in insulation, the GBIS seeks to address common issues related to heat loss, which can lead to higher energy bills and reduced comfort in homes by implementing a fabric-first approach.

We have dedicated our efforts to shaping a green future within this evolving industry, leveraging our presence to create lasting value for both customers and communities



Step towards insulation

TOTAL HEAT LOSS: **33%**

Pre-Loft

100mm

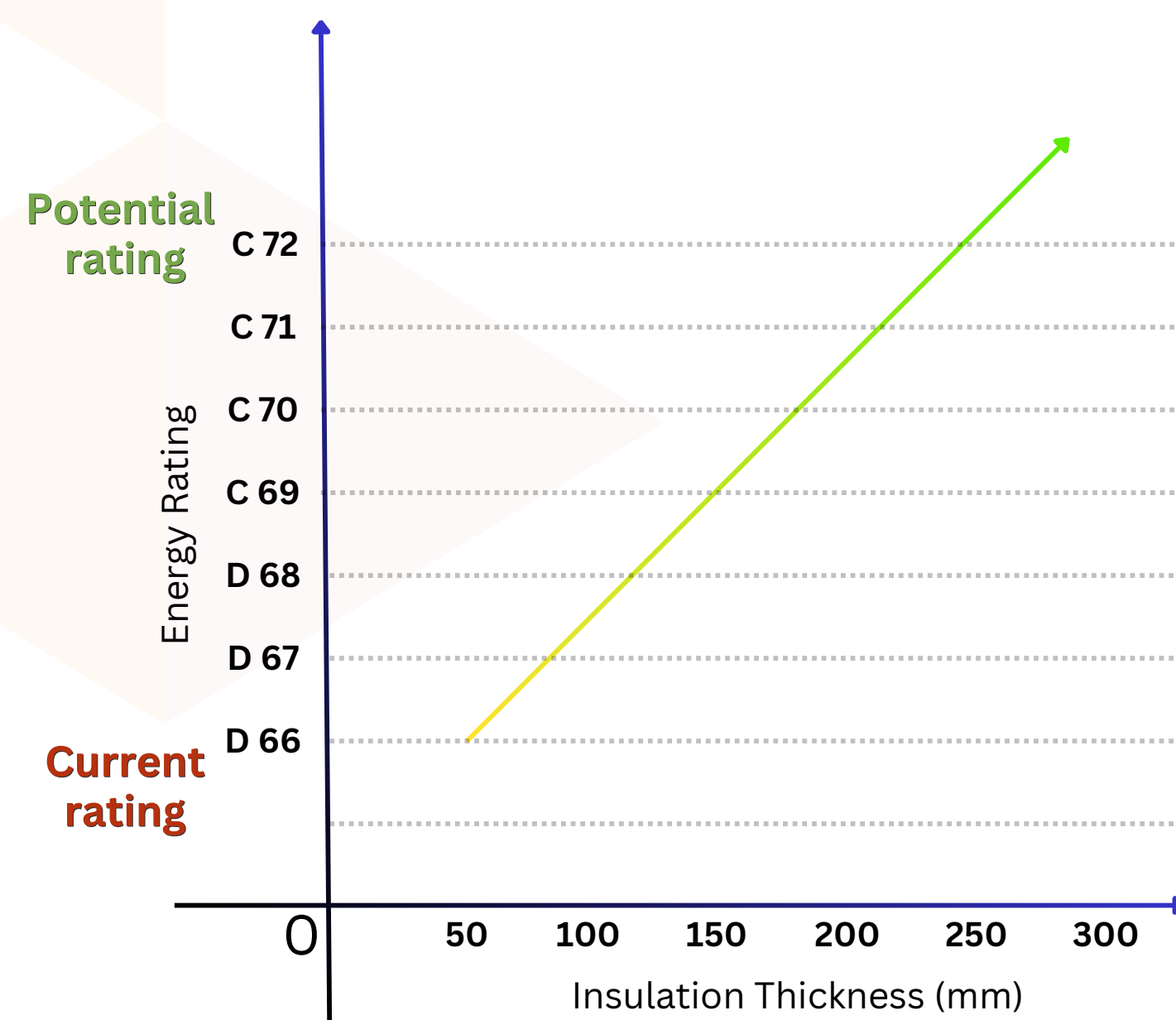
Pre-Rating

D64(High D)

Carbon Emission

3.697 tonnes

This property is a detached house constructed between 1950 and 1966, with extensions built between 1996-2002. It features six heated habitable rooms spread across two stories. A retrofit assessment was conducted in November 2024 determining the rating for the property to be D64 and the property having a potential improvement capacity up to C80



The EPR report highlights that the property's current 100 mm loft insulation is insufficient to prevent heat loss. We added two additional layers to bring the total to 300mm, meeting industry standards. By reducing heat loss, we improve the property's energy efficiency and minimize heat escape, ultimately leading to lower energy costs.

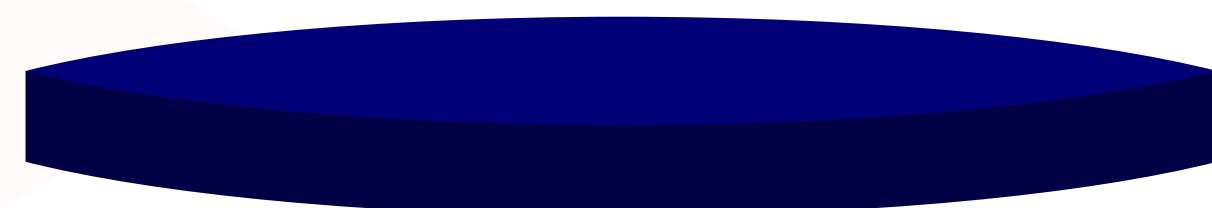


The project



The loft insulation is installed by preparing the loft space, ensuring it is clean and ready to work in and free of any dampness. The insulation is laid between the joists, ensuring a snug fit without compressing the material to maintain its effectiveness. To meet industry standards, a second layer was placed perpendicular to the joists. It's important to seal any gaps to prevent heat loss and maintain proper ventilation. The insulation is evenly distributed and adequately covers the entire area.

PRE-EXISTING INSULATION



Knauf loft insulation is the material used which is a high-performance thermal insulation designed to enhance energy efficiency. The material is made from mineral wool, which effectively reduces heat loss, helping to maintain a comfortable indoor temperature while lowering energy bills. The material is easy to handle and install, additionally, Knauf insulation is non-combustible and environmentally friendly, providing a sustainable option.

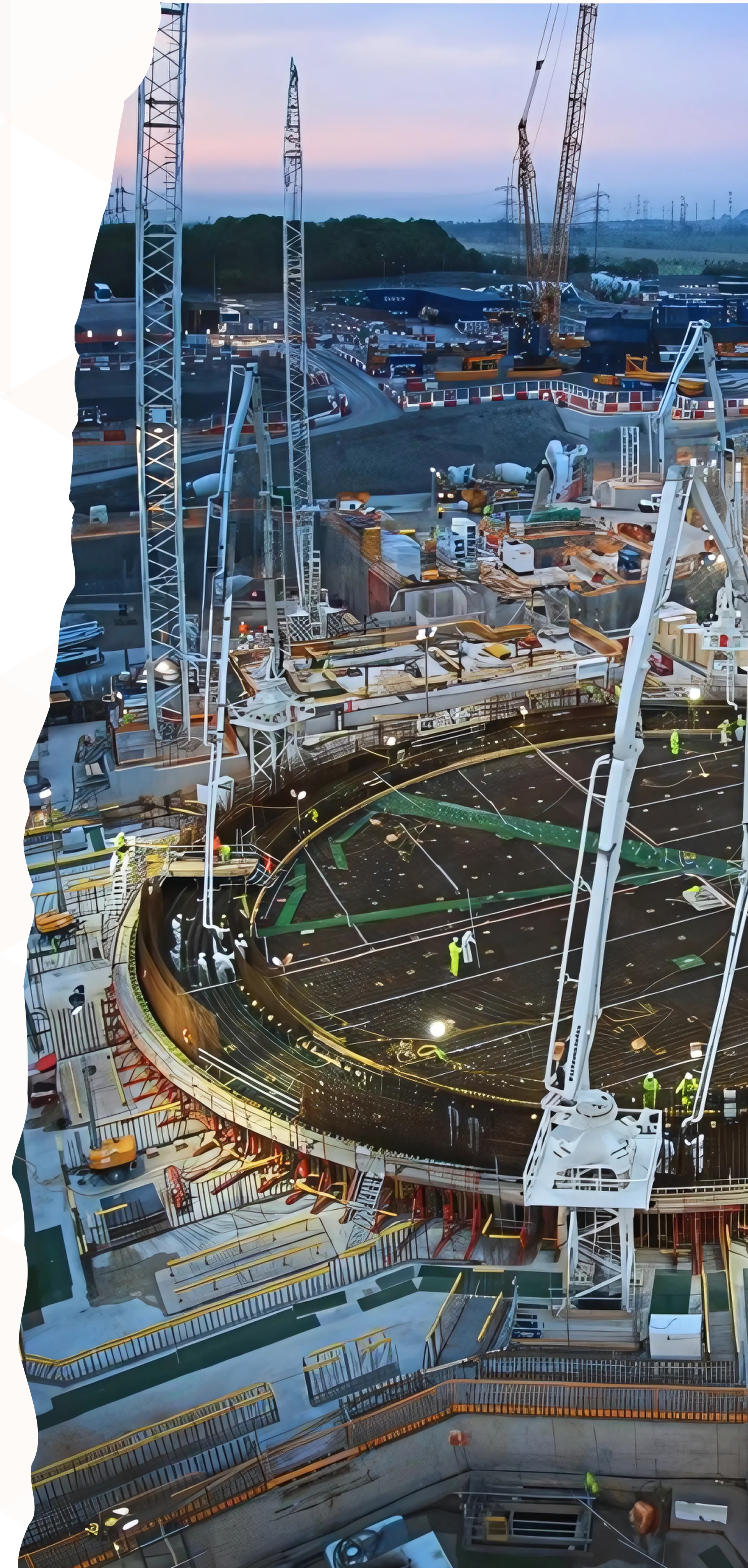
FULLY UPGRADED INSULATION



Making a difference

EDF is one of Britain's leading providers of zero-carbon electricity, supplying power to millions of homes nationwide. Committed to generating electricity from various renewable sources, EDF has played a pivotal role in advancing efforts to achieve net-zero emissions by 2050. Our collaboration represents a significant milestone in our collective journey towards advancing sustainability efforts in Britain. We recognize the urgent need to address environmental challenges, and our commitment to sustainability is at the forefront of our mission.

As an organization, we are dedicated to reducing our carbon footprint. This involves effectively managing waste and conserve water resources. We understand that every action counts, and we strive to make a positive impact on the environment through our operations. Moreover, we adhere strictly to all relevant environmental regulations, ensuring that our practices not only meet but exceed industry standards. Our goal is to lead by example, inspiring everyone around us to join us in creating a more sustainable future.



Feedback highlights

At Simple Green Energy, our highest priority is customer satisfaction. This glowing feedback is a testament to our unwavering commitment to providing customer-centric services and ensuring every interaction is a seamless experience.

Our teams consistently go above and beyond to deliver exceptional results. From the initial property evaluation to the meticulous installation process, we ensure every detail is handled with the utmost care. This approach not only guarantees a superior quality of work but also instills confidence in our customers, knowing they are in capable hands.

In this case, the positive impact of our loft insulation was transformative. It enhanced the energy efficiency of the property, leading to a more comfortable and sustainable living environment for the homeowner. Beyond the technical benefits, our team's thoughtful approach—including thorough explanations and post-installation clean-up—further highlighted our dedication to excellence.



" We are really happy with the insulation. The installers were fantastic! They didn't just come in and start installing right away. First, they evaluated the property thoroughly, which made us feel confident in their approach. After the evaluation, they did the installation with great care. Once everything was done, they even took the time to clean the property, which was really appreciated. The explanation they gave us during the process was also spot-on and easy to understand. Overall, we're very impressed!"

~ **Mr Sawant from BR6**



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