



COBALT CARBON FREE

CASE STUDY

ROGER'S HOUSE



PROJECT OVERVIEW

A property developer and landlord approached us regarding a newly purchased property in Beeston. Initially intended as a home for his son, the long-term plan was to convert it into a House of Multiple Occupancy (HMO). The client's initial enquiry was for a quote to install External Wall Insulation (EWI) on the front, left, and rear of the property, leaving the right side uninsulated to allow for a future extension. During our assessment, we discovered significant structural issues with the front elevation that required rectification before proceeding with insulation. We collaborated with our structural engineering partner to design and implement the necessary repairs, ensuring the property would be safe and sound for years to come.



The result is a warmer, more comfortable home that offers premium rental potential with reduced running costs. Our tailored approach has provided a safe, warm, and visually appealing home, well-suited to the needs of future tenants for years to come.



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SCOPE OF WORK

While the initial focus was on External Wall Insulation, the project expanded as work progressed. After completing the essential structural repairs, we installed a high-performance EWI system to enhance the property's thermal efficiency and weatherproof the existing solid brick walls, providing long-term protection from the elements. To further reduce heat loss, we also installed underfloor insulation, working in tandem with the EWI to improve the home's comfort and reduce energy costs.

As the project evolved, additional improvements were made, including upgrading several windows, enhancing the electrical system, bricking up unused windows, and topping up the loft insulation.

As the project progressed, further improvements were made to the home, such as upgrading several windows electrical improvements, as well as other smaller jobs such as bricking up some unused windows and topping up the existing insulation in the loft.

THE SOLUTION

Our team took a holistic approach to the project, working closely with our structural engineer partner to coordinate repairs. This comprehensive method not only resolved the structural issues but also significantly enhanced the property's energy efficiency. We maintained the property's appearance by replacing the Tudor boarding and installing brick slips on the main elevation to match the street's aesthetic.

THE CHALLENGE

One of the primary challenges was addressing the structural issue, which required close collaboration with the structural engineer and coordination with various other professionals, including scaffolders, electricians, and window fitters. Additionally, we had to complete remedial work to prepare for the installation of a new heating system. At Cobalt Carbon Free, we pride ourselves on managing both our core in-house services and a broad range of specialist services, bringing together expertise under our banner for seamless project delivery.

CONCLUSION

The completed project went beyond the homeowner's initial insulation needs, enhancing both the structural integrity and energy performance of the property. The result is a warmer, more comfortable home that offers premium rental potential with reduced running costs. Our tailored approach has provided a safe, warm, and visually appealing home, well-suited to the needs of future tenants for years to come.



For a warmer, more energy-efficient home that's healthier, quieter, and kinder to the environment, insulation is a smart investment. Contact Cobalt Carbon Free today to find out how we can help transform your home with our high-quality, eco-friendly solutions!

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