



# Hinton, Perry & Davenhill

## ABOUT THE COMPANY

The business started in 1805 manufacturing clay roof tiles and the company has operated continuously on the same site since that time. The business specialises in the manufacturer of clay building products including, engineering bricks, clay pavers, roof tiles, quarry tiles and restoration pieces for historic buildings projects in the UK and internationally under the registered trademarks of Ketley Brick and Dreadnought Tiles. The company has supplied products for projects in New Zealand, Australia, USA, South Africa and across Europe, which reflects its capabilities in manufacturing products for prestigious restoration projects.

## WHY DID THEY WANT TO PARTICIPATE IN THE PROGRAMME?

A key plank of the Company's strategy is to innovate to improve production efficiencies and significantly decarbonise the business. Since the start of its involvement in the Emissions Trading Scheme the Company has reduced its carbon emissions by 27% and seeks to go further through exploiting the waste heat that is currently exhausted to the atmosphere, thermal efficiencies, and careful monitoring of the energy usage of every piece of equipment. We see net carbon zero 2050 as a potentially existential threat to the business and are looking to meet that challenge head on.

## HOW WERE RISING ENERGY COSTS IMPACTING THE BUSINESS?

The operations of the business are highly capital intensive with investments in operational plant with long paybacks. The company operates clay preparation equipment, kilns and dryers, the kilns firing to peak temperatures of 1130 degrees C. As such it is an energy intensive business and had the challenge of navigating the recent energy crisis and the downturn in the construction industry.

## WHAT IS THE POSSIBLE IMPACT OF IMPLEMENTING THE RECOMMENDATIONS FROM THE ASSESSMENT?

As a result, Hinton, Perry & Davenhill expect to save 1,426,125 kWh of energy, 267.04 tonnes CO<sub>2</sub>e (carbon dioxide equivalent) and over £101,194 per annum.

“Reducing our energy costs and decarbonising the business are the two greatest long-term challenges for our business. We are pleased to be working with Pro Enviro on this journey and for their guidance in securing the grants that have helped us implement a micro metering solution and make the improvements to improve the thermal efficiency of one of our brick kiln roofs. As an SME we need support, both in terms of financial assistance for the big investments we must make and in establishing a viable road map to significantly cut our energy consumption and emissions. Pro Enviro's experience and connections in this world has been valuable and gives us the confidence that this journey is achievable.”

Alex Patrick-Smith Executive  
Chairman



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