

PEERLESS PLASTICS & COATINGS

Breckland Council's Low Carbon
Regeneration Programme

Industry: Manufacturing

Employees: 56

Location: Thetford, Norfolk, UK

Website: peerless-coatings.co.uk/

Overview

Peerless Plastics, based in Thetford, is a leading specialist in plastic hard coatings, offering innovative solutions for a wide range of industries worldwide including medical, aerospace, automotive, healthcare, manufacturing, electronics and construction.

The company offers a wide range of complimentary services, including Computer Numerical Control (CNC) machining, injection moulding, digital print, specialist paint application, fabrication/assembly and R&D, ensuring precision-engineered products tailored to client needs. With a reputation for innovation and technical expertise, Peerless Plastics delivers sustainable, durable and reliable plastic components that meet the highest industry standards.

Executive Summary

Peerless Plastics, partnered with Breckland Council's Low Carbon Regeneration Programme to pursue decarbonisation and enhance sustainable practices within its business. This collaboration was strategically important, focusing on reducing carbon footprint, cutting energy costs, and increasing the use of renewable energy.

A detailed analysis of Peerless Plastics' emissions, conducted via Opergy Ltd., resulted in a tailored decarbonisation plan. This plan focuses on energy efficiency, waste reduction, and sustainable materials, paving a clear path for long-term environmental sustainability. Peerless Plastics is dedicated to applying key improvements like energy efficient plant and equipment, industrial heat pumps, energy-efficient lighting, insulation, and renewable energy, highlighting their commitment to sustainability leadership.

The Low Carbon Regeneration Programme

Breckland Council's Low Carbon Regeneration Programme, funded by the UK Shared Prosperity Fund (UKSPF), was a comprehensive initiative designed to help businesses reduce their carbon footprint, lower energy costs, and embrace more sustainable practices. The programme offered tailored technical advice, guidance, and recommendations to support the adoption of energy-saving solutions and to increase the use of renewable energy.

This initiative aligned with the Council's ambition to achieve net zero by 2035 by leveraging its regulatory powers to drive behavioural change and empowering communities to take meaningful action toward sustainability.

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The team at Opergy provided excellent support and guidance, online workshops were informative and friendly making the whole process of identifying a decarbonisation plan smooth and simple for the Peerless team.

Peter Llewellyn-Stamp, Managing Director

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The Partnership

Peerless Plastics partnered with Breckland Council's Low Carbon Regeneration Programme to strengthen its sustainability efforts and reduce its environmental impact. Through Opergy-led workshops, the company assessed its scope 1, 2, and 3 emissions and provided key operational data for analysis. Opergy then developed a tailored decarbonisation plan, focusing on energy efficiency, waste reduction, and sustainable material sourcing.

This partnership gave Peerless Plastics valuable insights and a clear roadmap for long-term sustainability. While implementation is ongoing, the company is now well-positioned to reduce its carbon footprint and improve environmental performance.

The Challenges

Peerless Plastics faces several challenges in its decarbonisation journey. One challenge is navigating the frequent changes in government policies related to funding and incentives. This makes it difficult for businesses to plan for the long term and make informed investment decisions. Another challenge is the limited in-house expertise to monitor and evaluate carbon reduction strategies. This can lead to ineffective implementation and missed opportunities for optimisation.

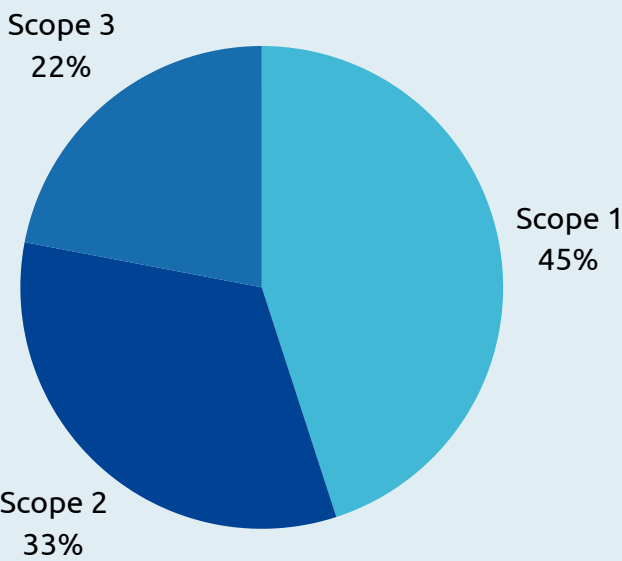
Additionally, Peerless Plastics has insufficient roof space for self-sufficiency in solar power. This limits the potential for on-site renewable energy generation and the ability to achieve greater energy independence.



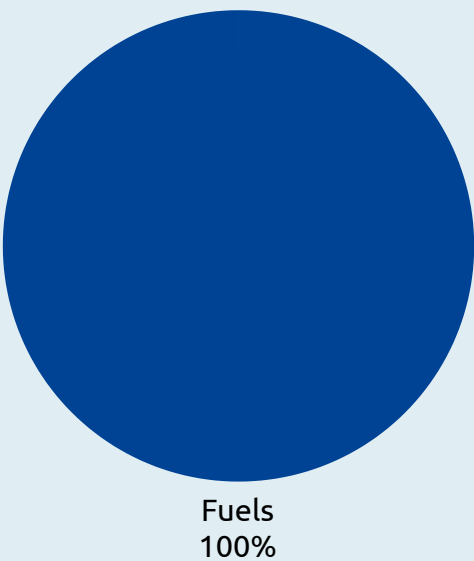
Peerless Plastics' Scope 1, 2 & 3 Emissions

To address these challenges, a comprehensive assessment identified the businesses primary sources of greenhouse gas emissions:

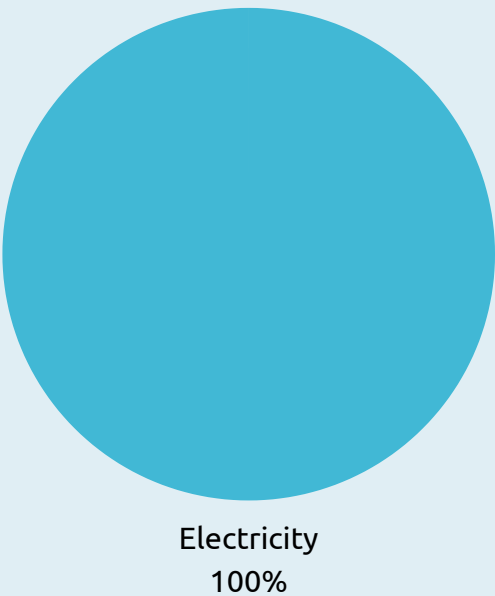
Total emissions



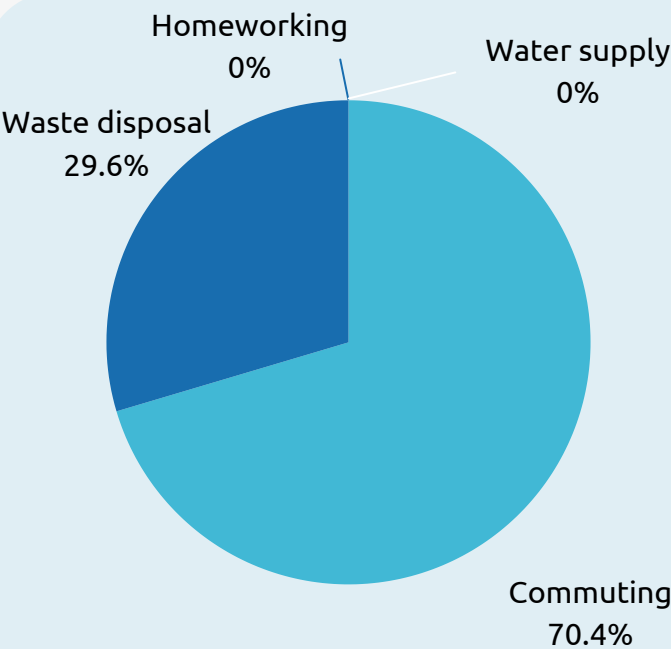
Scope 1



Scope 2



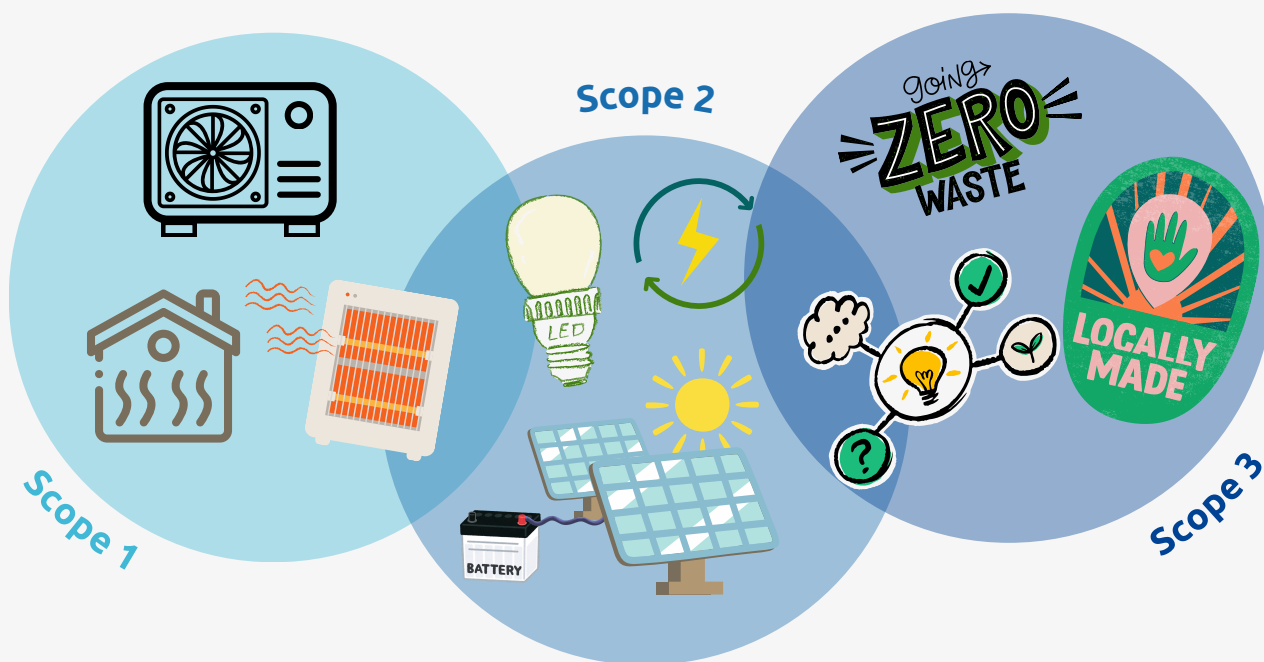
Scope 3



How The Programme Will Help Peerless Plastics To Decarbonise

The programme offers technical advice, funding support, and collaboration opportunities to help Peerless Plastics reduce energy costs and increase renewable energy use. It connects businesses to relevant funding and guidance schemes while facilitating knowledge sharing to explore shared solutions.

Through this support, Peerless Plastics can implement effective decarbonisation strategies and progress towards its sustainability goals.



The Future

Peerless Plastics is committed to decarbonising its operations, with a clear plan to implement the recommendations outlined in the Opergy report. In the near future, they will prioritise high-impact interventions, such as investigating industrial heat pumps and conducting energy audits.

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Peerless have made significant progress in recent years, reducing the company's carbon footprint significantly through implementation of Solar panels and voltage optimisation.

The decarbonisation plan created with Opergy has identified opportunities to reduce our carbon footprint in ways that we had not yet considered, this is where the value of working with Opergy come in, with their expertise across all areas of decarbonisation.

Peter Llewellyn-Stamp, Managing Director

The business also plans to switch to renewable energy suppliers and install energy-efficient lighting. Peerless Plastics is committed to sustainability through life cycle assessments and a sustainable procurement policy. While implementation is ongoing, its partnership with Breckland Council and Opergy will help establish it as a leader in sustainable business practices.

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