

TROX UK

Breckland Council's Low Carbon
Regeneration Programme

Industry: Manufacturing - HVAC

Size: 140 employed in Thetford

Location: Thetford, Norfolk, UK

Website: troxuk.co.uk



Source: TROX UK

Overview

This case study explores the collaborative partnership between manufacturing firm TROX UK, Breckland Council's low-carbon programme, and Opergy. Faced with the mission of reducing its carbon footprint, TROX worked with the Council, leveraging Opergy's expertise in developing decarbonisation plans and leading net-zero workshops, to understand its emissions and develop a robust sustainability strategy.

The case study details TROX's emissions profile (scope 1, 2, and 3), the programme's contributions, and the positive impact on TROX's journey.

Executive Summary

TROX, a leading provider of ventilation and air conditioning solutions, recognised the importance of sustainable practices and sought to reduce its environmental impact and become carbon neutral by 2040.

By engaging with Breckland Council's Low Carbon Programme and with the help from Opergy Ltd., TROX gained valuable insights into its scope 1, 2, and 3 emissions. The programme provided tailored support to develop a comprehensive decarbonisation strategy, focusing on natural gas consumption, electricity usage, and material sourcing. Through this partnership, TROX is well-positioned to achieve its sustainability goals and contribute to a more sustainable future.

While the full implementation of the proposed measures is still underway, TROX is committed to leveraging these strategies to accelerate its journey towards net zero and create a more sustainable future.

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 online workshops provided detailed information, and Opergy's expert advice aligned well with our sustainability plans.

The decarbonisation plan offered a clear report on our emissions and reduction strategies, reinforcing that we were on the right path.

Wiktoria Zak, Environmental, Health and Safety Administrator

The Partnership

TROX's commitment to sustainability aligns seamlessly with Breckland Council's Low Carbon Programme. By joining forces, both organisations aim to drive positive environmental change.

With the knowledge from Breckland partner consultants at Opergy in sustainability and energy efficiency, this provided TROX with the necessary tools and resources to reduce their carbon emissions.

The Challenges

TROX, like many businesses, faces the pressing challenge of reducing its carbon footprint. The businesses emissions primarily stem from natural gas consumption for heating and electricity usage, as well as material consumption within its supply chain.

Recognising the need for a strategic approach to decarbonisation, TROX joined Breckland Council's Low Carbon Programme, which helped to identify the key elements of their scope emissions and where the areas they can tackle to reduce their footprint.

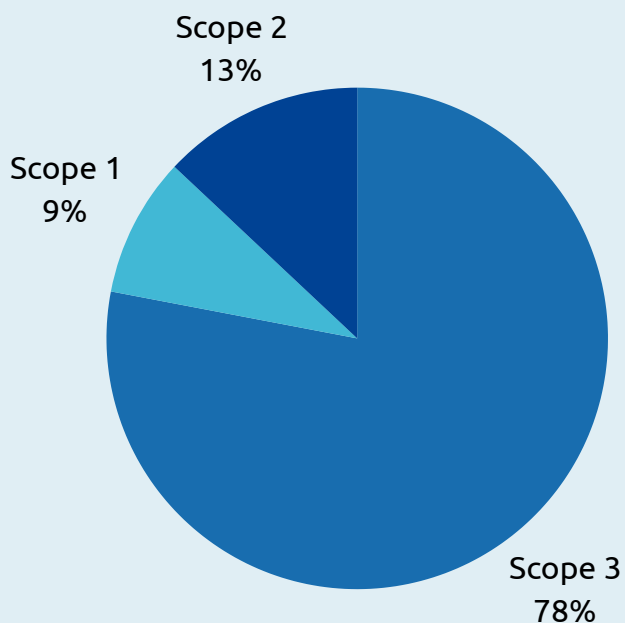
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TROX UK's scope 1, 2 & 3 Emissions

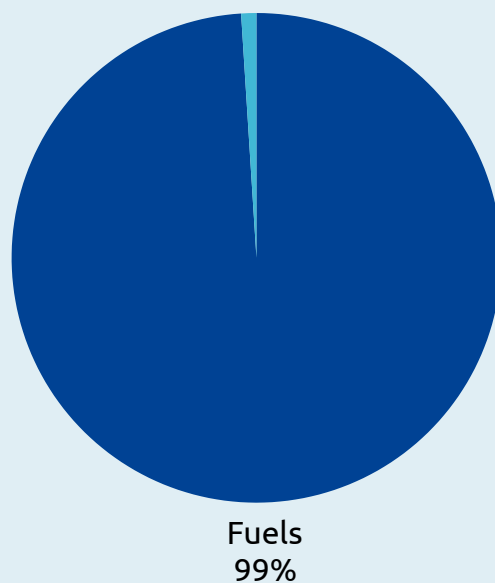
To address these challenges, a comprehensive assessment identified the businesses primary sources of greenhouse gas emissions:

Total emissions



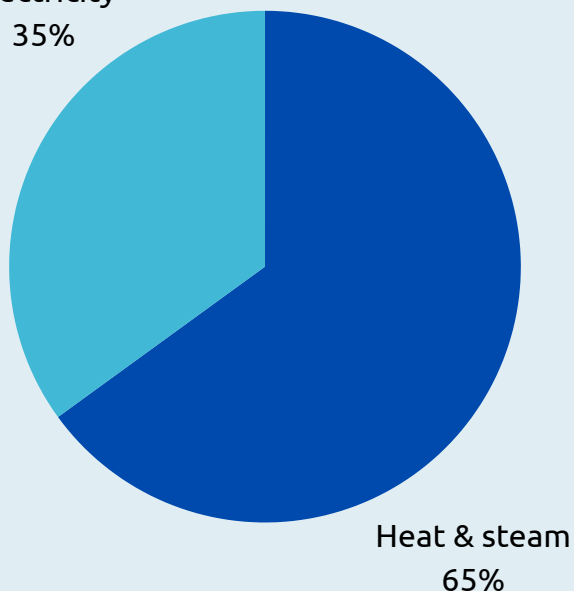
Scope 1

Vehicle use
1%



Scope 2

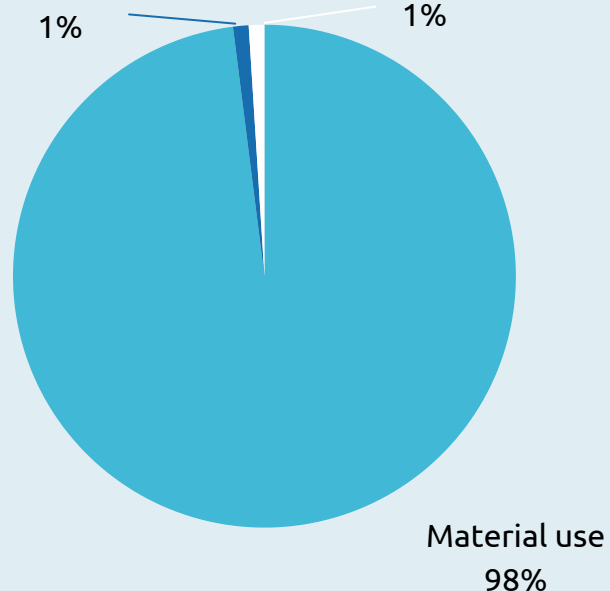
Electricity
35%



Scope 3

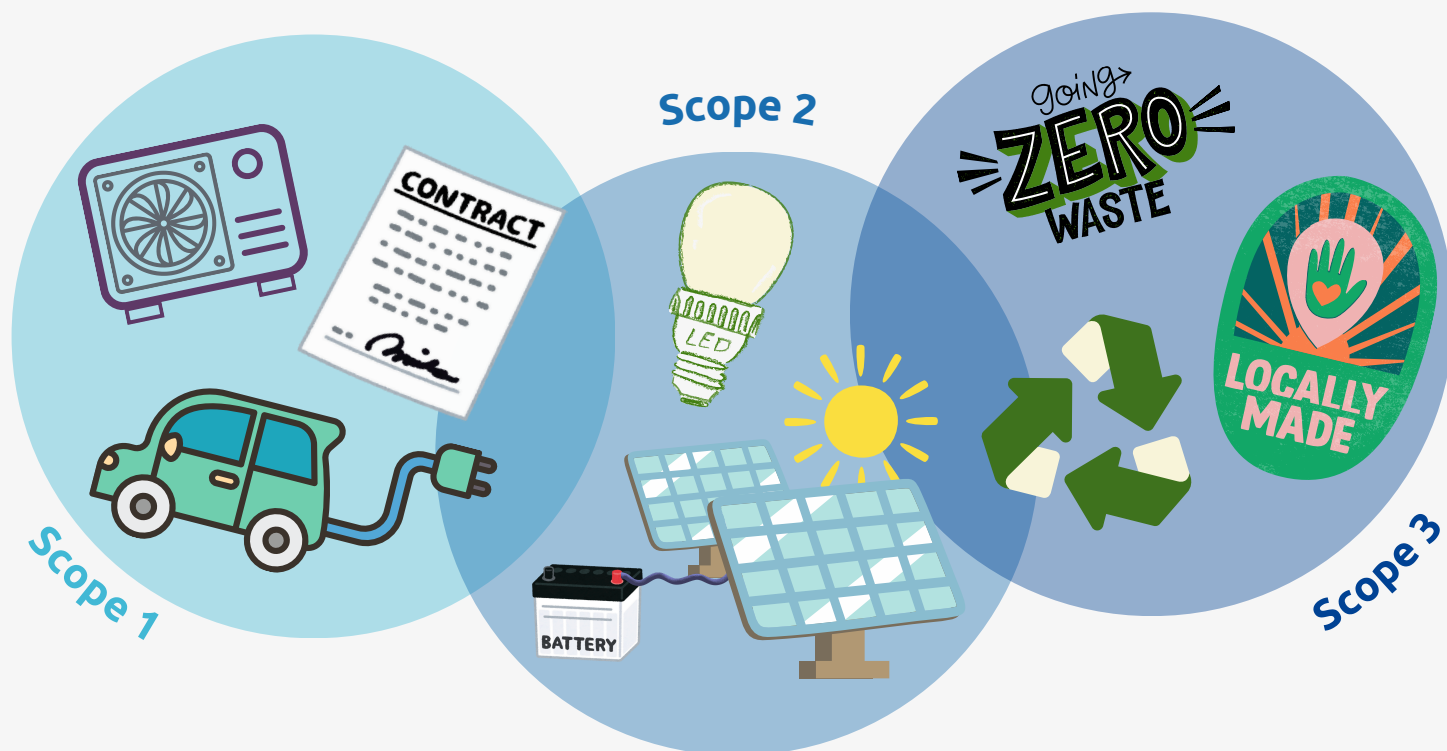
Waste disposal
1%

Business travel
1%



How The Programme Will Help TROX To Decarbonise

The programme has assisted TROX in identifying and prioritising key actions to minimise carbon emissions across its operations. This strategic focus on high-impact areas will not only aid TROX in meeting its sustainability objectives but also enhance its operational performance and market position in the growing low carbon economy.



The Future

TROX is committed to taking decisive action to reduce its carbon footprint and contribute to a more sustainable future. By implementing the strategies outlined in the decarbonisation plan, the company aims to achieve significant reductions in emissions and enhance its overall environmental performance.

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Going forward, we can refer to Opergy's decarbonisation plan to ensure our carbon emissions decline in line with the targets they have recommended.

Wiktorja Zak, Environmental, Health and Safety Administrator

While the full implementation of the recommendations is still underway, TROX is confident that this partnership with Breckland Council and Opergy will position the company as a leader in sustainable business practices.

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