

Case Study

Client: ProCook

Services provided: Net Zero gap analysis including Scopes 1,2, and 3 emissions footprint, life-cycle assessments on 3 product lines

Sector: Kitchenware retailer

Benefits achieved: A strategy for a clear trajectory to Net Zero across all 3 Scopes and recommendations for emissions reductions in the supply chain.

Summary

ProCook is the UK's leading, direct-to-consumer specialist kitchenware brand that designs, sources, and retails high-quality products through over 60 stores nationwide. The company has over 1,600 items of kitchenware, kitchen accessories, electricals and tableware in its range. ProCook has a long-standing focus on improving sustainability, encompassing products, people and planet and became a B Corp organisation in 2022.

JRP were appointed by ProCook to complete a Greenhouse Gas (GHG) emissions footprint as a base year from which to develop their Net Zero strategy, and to carry out a Net Zero gap analysis. JRP were subsequently asked to complete Carbon Life Cycle Assessments on 3 popular products in ProCook's kitchenware range.

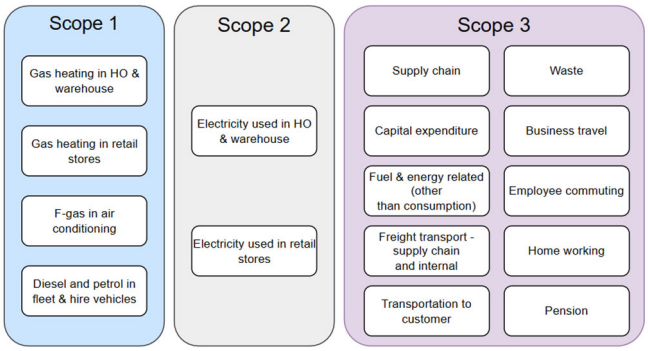
Net Zero Gap Analysis and Strategy

Scope

JRP carried out detailed emissions footprint analysis and calculations across all three scopes for the company's entire estate which included all stores, their HQ a distribution centre and supply chain.

JRP's report provided:

- An initial GHG footprint covering Scope 1, 2 and at least 80% of Scope 3 emissions
- Recommendations for taking enhanced GHG emissions reporting forwards on an annual basis
- Discussion of emissions sources and interventions, with a focus on Scope 3
- Suggested targets using the SBT trajectory
- A draft Net Zero Implementation Plan structured around a good practice energy management system set-up



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Identification of specific interventions for energy saving were dealt with separately under another contract and therefore recommendations to reduce emissions from energy use at the built estate were not within scope for this report. The SBT trajectory will be revised once this data is available.

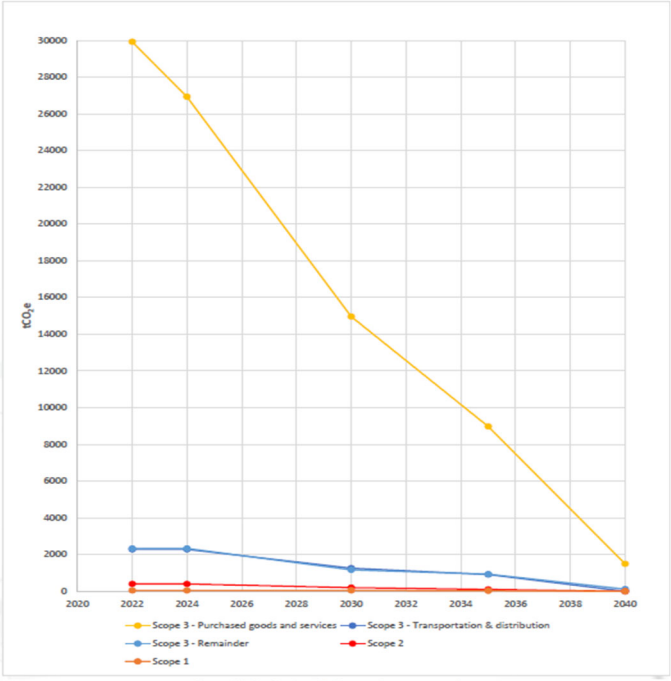


Figure 11 ProCook emissions trajectory over time

Results

JRP's report identified a substantial emissions footprint for energy consumption in their stores (over 400 tonnes CO_2e per year), and, as expected for products dependant on mining and extraction industries, most emissions, over 29,000 tonnes CO_2e per year, can be attributed to the scope 3 emissions which arise in the supply chain for products which are the core of ProCook's brand. Most work to Net Zero will therefore need to be in developing relationships with manufacturers, understanding the impacts of design and materials on associated emissions, and considering the potential for recycled materials, especially as part of a resource efficient re-manufacturing process.

The report was discussed at a workshop with key staff to develop the company's outline emissions reduction strategy. JRP's report detailed the findings of that process and developed the foundation for ProCook's journey to Net Zero.

Product Carbon Life Cycle Assessments

Scope

The Scope 3 calculations allowed the highest contributors to the ProCook emissions footprint to be identified in order to plan a strategy which prioritises the most significant improvements.

ProCook asked JRP to undertake a more in-depth review of the Scope 3 emissions in the form of a cradle-to-grave carbon life cycle assessment (LCA) of three best-selling product lines; the Oslo Stoneware dinner set; the Contour knife and the Linkfair steel pan including a comparison of a coated and non-coated pan. The LCAs were carried out with the following parameters:

- Each LCA was carried out using GHG Protocol Product Standard, including downstream disposal of product packaging by the consumer
- The specific emissions allocation method used was IPCC 2021 GWP100 V1.02 including CO_2 uptake
- Analysis was completed using SimaPro LCA software under licence
- The LCAs were completed in accordance with ISO 14067:2018 (Greenhouse Gases – Carbon footprint of products) standard as industry good practice, although it is not intended for accreditation

Results

Each LCA considered each stage of the life cycle including: raw materials and pre-processing, production, distribution and storage, packaging and



waste, use and end of life disposal. JRP calculated a total in kg of CO_2e, including emissions for each stage of the product's lifecycle.

JRP's reports identified opportunities for decarbonisation and included recommendations to address the highest areas of emissions. The assessments were completed using industry and geographical information. Further work with suppliers was recommended to understand their actual energy use and practices, and to set the standard expectations for supplying ProCook. This should enable significant reductions in embodied emissions of products.

For more information about any of JRP's services, call 0800 6127 567 or email info@jrpsolutions.com.

