

Creating an Affordable and Feasible Decarbonisation Road Map for Global Life Science Manufacturer

CLIENT | LOCATION

Global Pharmaceutical Manufacturer | Global

SECTOR

Life Science

PROJECT BRIEF

The client had set an ambitious goal to nullify scope 1 & 2 carbon emissions by 2025, with an aim to create a carbon negative value chain by 2030. To do this, the client needed to understand their current status across all three scopes, the opportunities for decarbonisation and how this will financially and operationally impact the business.

The challenge for this was multi-faceted, the window to act was short - meaning identified solutions would have to be rapidly implementable to see the benefit prior to the 2025/2030 deadlines. Additionally, the scale of required decarbonisation was massive, in order to hit the scope 1 and 2 emissions objectives, a reduction of 0.4 million tonnes of carbon was required.

METHODOLOGY

EECO2 worked closely with the client's global and site teams to devise a comprehensive zero carbon roadmap.

The first stage in creating this roadmap involved understanding current best practice. To do this, EECO2 facilitated a comparative analysis of client site management practices and a competitor benchmarking process to understand industry-wide standards in decarbonisation. In conjunction with this, a detailed analysis of scope 1,2 and 3 emissions took place, with an effort to explore what barriers there may be to carbon reduction and the ROI of various decarbonisation efforts. Following this, solutions to overcome these barriers were devised and prioritised, this led to an identification of the required skills to deliver these solutions. When considering the approach to delivery, an assessment of the current operating model indicated the organisation's readiness for zero carbon operations. Finally, an implementation plan was created, outlining the full costs to the business. This was supported with tools to track and report progress toward the zero carbon goal.

SOLUTION

Resulting from this process, the client was able to understand the next steps on the road to zero carbon, with a clear list of prioritised recommendations that covered all three scopes.

In terms of site efficiency and renewable opportunities, 109 different projects were noted across 22 sampled sites. The client also gained an invaluable insight into the cost of business as usual versus various scenarios based on their plausibility.

RESULTS

Carbon savings identified (present - 2025):

400,000+ tCO₂ (100% reduction of scope 1 & 2)



FOR FURTHER INFO

T: +44 (0) 1625 660 717 E: info@eeco2.com

EECO2.COM

