



HENRY BROTHERS

sustainIQ

Loughborough University Pavilion
SustainIQ - Henry Brothers Case Study



Henry Brothers Ltd LOUGHBOROUGH UNIVERSITY PAVILLION

Henry Brothers' Loughborough University Pavilion 4 is an extension to the existing Pavilions with the University.

The project is designed to achieve certification as a Passivhaus Classic building which stems from Loughborough University's commitment to achieving Net Zero Carbon as an organisation by 2030.

Background

HENRY BROTHERS NET ZERO COMMITMENTS

Henry Brothers Ltd are a leading Main Contractor operating across the United Kingdom. With strong commitments to net-zero and carbon reduction, Henry Brothers ensure every project across all sites works to eliminate carbon production where possible. This project for Loughborough University is no exception, where their implementation of SustainIQ on the project will streamline carbon data to ensure it is captured at source. Henry Brothers can use best practice adopted from our net zero carbon project to further enhance the low carbon output for the building.

How SustainIQ is being used

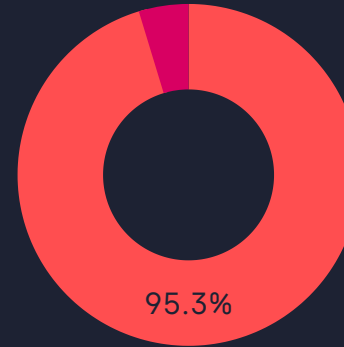
COMPLETE ESG REPORTING

- Sustainable procurement of products and materials including FSC & recycled aggregates
- Measuring the environmental impact of the project including:
 - Waste management
 - Capturing and measuring Scope1, 2 and 3 emissions (Scope 3 supplier transport emissions only)
 - Supplier transport emissions calculated using SustainIQ project QR codes
 - Water usage
 - Biodiversity
- Tracking sub-contractor and supplier accreditations to ensure in line with Henry Brothers Net Zero Carbon commitments
- Calculating the impact of Social Value initiatives delivered throughout the Project

Benefits of SustainIQ

- Assist with monitoring, measuring and reporting the Passivhaus Contractor Requirements for the project
- Monitor, measure and report the full ESG / sustainability performance throughout the project
- Aiding in developing Carbon reduction commitments and plans using SustainIQ emissions data
- Produce reports in real time including site waste management plans, carbon reduction plans, biodiversity logs and social value reports
- Increase transparency of performance by providing visibility of performance data with client
- Providing real time data for compliance and regulatory inspections
- Measurement against project KPI's in accordance with Company and project sustainability assessments
- Benchmarking performance against sustainability KPIs & commitments
- Data capture is shared across teams, with responsibilities assigned to ensure data captured at source in real-time

Percentage of waste avoiding landfill on this project



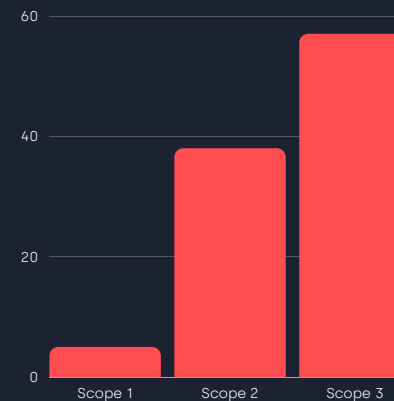
Waste management and resource efficiency.

SustainIQ provides Henry Brothers with full reporting across all waste management activities. Using SustainIQ, Henry Brothers produce site waste management plans, forecast waste across projects, build waste minimisation plans to share with site personnel, set targets and objectives and track progress.

SustainIQ helps Henry Brothers to comply with all applicable legislation by ensuring all waste management licences, certificates and exemptions are valid, and by applying all European Waste Catalogue (EWC) codes to facilitate easy input of each waste category.

Henry Brothers use the SustainIQ reporting dashboard to track performance and progress towards targets, analyse their waste data, identify main waste materials, and understand when waste is being produced in line with their construction programme. This information is shared with the project team including design and procurement departments to identify opportunities to apply circular construction principles on future projects.

GHG Emissions Breakdown for this project



Understanding & measuring GHG emissions in real-time.

As a Passivhaus Classic building, its pivotal that Henry Brothers achieve high standards in the finished build, but also in their operational performance throughout the project.

To achieve the net zero carbon commitments within the contract, Henry Brothers used SustainIQ to access their GHG emissions data in real time to inform decision-making across the project.

SustainIQ provided the project team with full analysis of Scope 1, Scope 2 and Scope 3 (transport) emissions at every stage of the project.

Streamlining sustainability with complete real-time environmental reporting

Using insights from SustainIQ in areas such as waste management, energy, supplier transport, water usage and fuel consumption, Henry Brothers were able to change aspects of the projects' operations or value chain, and in turn eliminate or reduce emissions to keep the project within the clients' net zero commitment requirements.



JUSTIN HICKLIN - CONSTRUCTION DIRECTOR

“We are very excited to be part of Loughborough University's wider Net Zero Carbon 2030 agenda through constructing the extension of Loughborough University Sport Park Pavilion 4.

The Passivhaus designed building recognises the importance of reducing carbon emissions through design. A first for Henry Brothers, we have strict quality controls and processes in place in order to achieve Passivhaus Classic standard through adherence to design requirements to achieve low energy demands. SustainIQ will be pivotal in capturing our operational carbon use for the project providing carbon data for monitoring and measuring, providing continuous improvement against our project KPI's.”



160
Students reached via education engagements



192
Weeks of apprenticeships delivered on this project

Measuring Social Value.

SustainIQ provides Henry Brothers with full sustainability & ESG reporting. Using all four reporting pillars across this project, Henry Brothers also captured social value performance data including education engagements, placement, and apprenticeship opportunities.

This resulted in significant opportunities for young people to engage with the project team, provided career opportunities and delivered real economic value with regards Social Return on Investment. All activities were logged on SustainIQ throughout, providing Henry Brothers and their client with full social value analytics throughout the project.

Measuring local procurement



80% of subcontractors within 40 miles.

Social value is not only generated in interactions and engagements, but through purchasing decisions.

On this project, Henry Brothers invested a significant portion of the value generated across the project back into the local economy by letting sub-contractor work packages and supplier orders to local businesses helping to drive the economic development of the region.

This contributes to their commitments to developing a positive socio-economic impact as part of their wider sustainability strategy.

We'll change your world, for good.

SustainIQ is on a mission to change the world for good. If you are interested in learning more about this particular case, or perhaps want to read more case studies like this one, get in touch at hello@sustainiq.com, or read more at <https://sustainiq.com/case-studies>.