



sustainIQ



HERON BROS.

Neilston Learning Campus
SustainIQ - Heron Bros Case Study

Heron Bros

Neilston Learning Campus

The Neilston Learning Campus project for East Renfrewshire Council combines Neilston Primary School, Madras Family Centre, and St Thomas' Primary School on one site.

Built on the existing Neilston Primary grounds, the new facility allowed the school to stay open during construction. After completion, the old buildings were demolished to create an all-weather football pitch and multi-use games area..

Background

HERON BROS SUSTAINABILITY COMMITMENTS

Heron Bros as a leading construction, property development, energy & manufacturing company operating throughout the UK, Ireland and Europe. With strong commitments to net-zero and carbon reduction, Heron Bros ensure every project across all sites works to eliminate carbon production where possible.

This project for Neilston Learning Campus is no exception, where their implementation of SustainIQ on the project streamlined data capture for four key areas: Responsible Procurement, Resource Efficiency, Valuing People and Community & Partnering.

This case study will showcase the data captured in these areas using SustainIQ, highlighting the project's achievements in all areas of ESG.

How SustainIQ is being used

COMPLETE ESG REPORTING

- Responsible procurement including:
 - Tracking Scope 3 GHG emissions from deliveries
 - Calculate embodied carbon of products and materials
- Environmental impact including:
 - Capture, measure and report waste management
 - Capturing, measure and report Scope1, 2 and 3 emissions
 - Monitor water usage
 - Monitor biodiversity initiatives and impacts
- Track Social Impact across the project including:
 - Apprenticeship and new entrant opportunities
 - Training and development hours
 - Safety and wellbeing initiatives
- Track Community and Partnering initiatives including:
 - Community and volunteering initiatives
 - Educational engagements with students

Benefits of SustainIQ

- Monitor, measure and report the full ESG performance throughout the project
- Produce reports in real time including site waste management plans, carbon reduction plans, embodied carbon reports, biodiversity logs and social value reports
- 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



Embodied Carbon

Embodied carbon is the carbon dioxide emissions associated with materials and construction processes throughout the whole lifecycle of a building or infrastructure.

Using the SustainIQ Embodied Carbon Calculator, Heron Bros easily calculated the embodied carbon of products and materials used throughout the Neilston Learning Campus Project in line with the Net Zero Public Sector Building Standard and the 2045 targets.

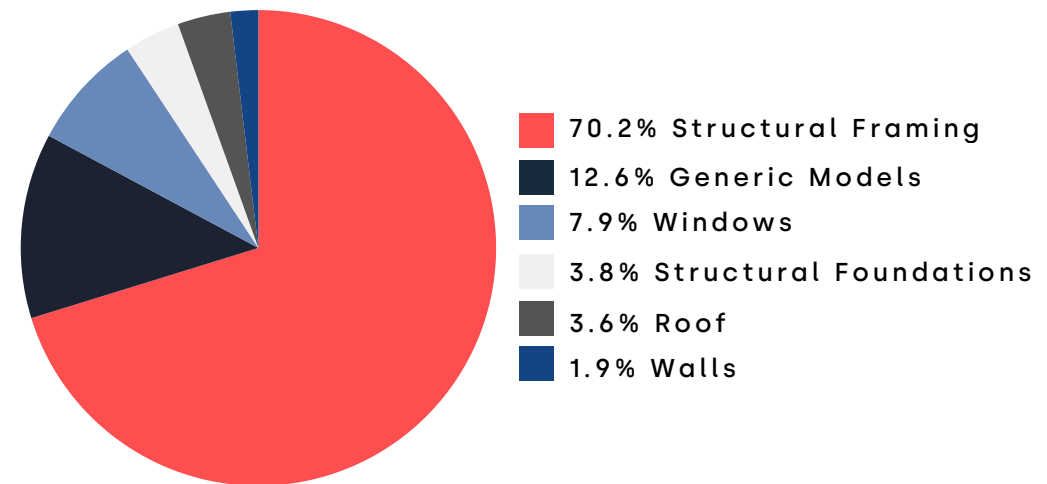
Using an integration with BIM or Revit, simply uploading a Bill of Quantities, (BOQ), or accessing online portals, SustainIQ easily calculates the embodied carbon of the products and materials used throughout the project.

This detailed tracking enabled Heron Bros to:

- **Monitor Procurement and Delivery:** SustainIQ enabled Heron Bros to keep a precise record of what was procured and delivered to the site, ensuring a thorough understanding of the carbon footprint at every stage.
- **Breakdown of Embodied Carbon:** By breaking down the embodied carbon of products and materials, Heron Bros could identify the most carbon-intensive items and seek alternatives or mitigation strategies.

Once in the System, Heron Bros could utilise the data analytics on the SustainIQ dashboard to identify trends, benchmark and report on performance by product type.

Below is a pie chart visually illustrating the breakdown of the products and materials used, and their respective carbon footprints.



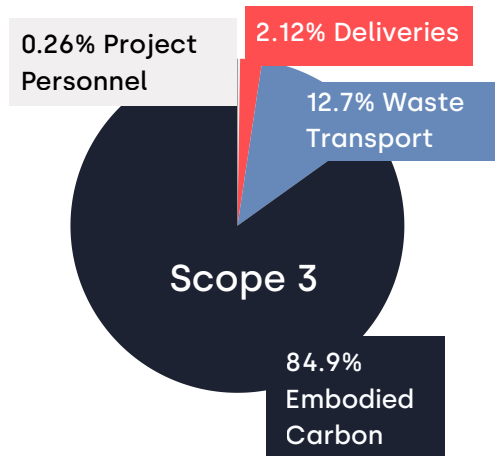
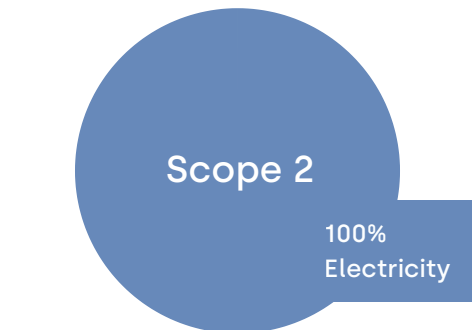
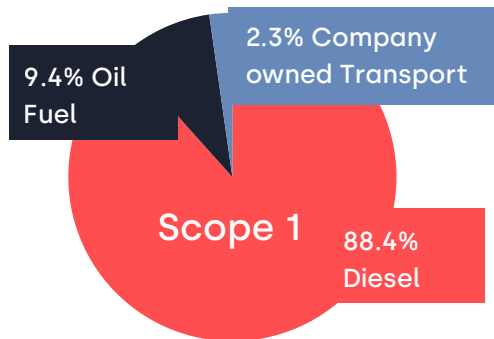
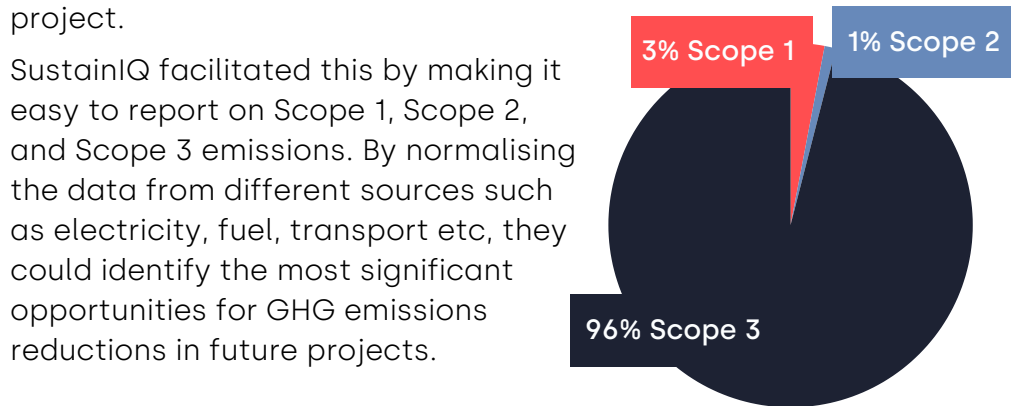
By monitoring embodied carbon throughout the project Heron Bros was able to ensure compliance with evolving regulations in the construction industry. Furthermore the transparency in their operations demonstrates leadership in sustainability.



GHG Emissions

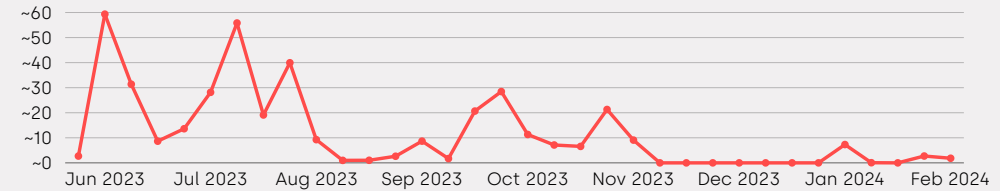
Heron Bros wanted visibility of all GHG emissions throughout the project, including sources of emissions and volumes. Access to this data provided an opportunity to reduce emissions across the project.

SustainIQ facilitated this by making it easy to report on Scope 1, Scope 2, and Scope 3 emissions. By normalising the data from different sources such as electricity, fuel, transport etc, they could identify the most significant opportunities for GHG emissions reductions in future projects.



SustainIQ also provided Heron Bros with a breakdown of each Scope to identify opportunities in specific areas for improvement

Water Usage

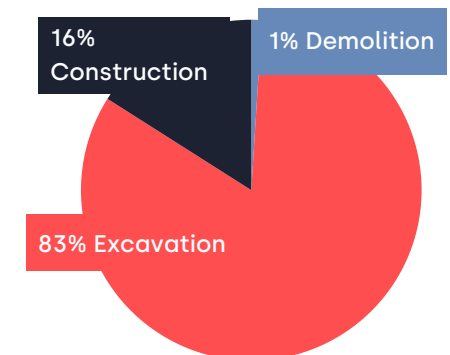
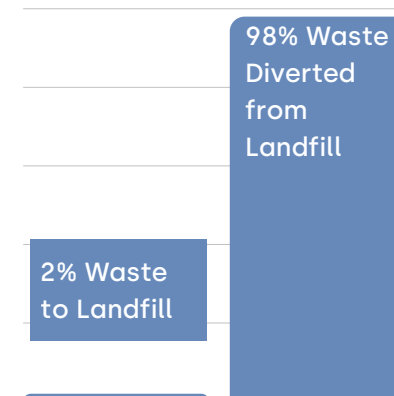


Using the SustainIQ app to upload regular water meter readings, any anomalies or excessive usage could be quickly addressed, promoting efficient water management throughout the project. Overall the project used 7.23 m3 / 100m2 footprint.

Waste Management

SustainIQ provided Heron Bros with full visibility of all waste management performance throughout all stages of the project. It also ensured full compliance with applicable duty of care legislation, ensuring a clear audit trail of all waste produced.

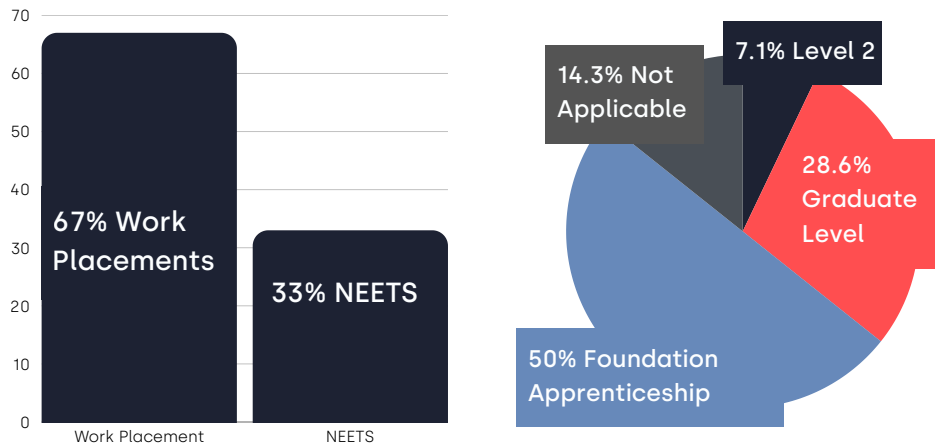
Heron Bros achieved 98% waste diversion from landfill. Only 16% of waste was produced during the construction stage, indicating efforts to manage, reuse, or recycle materials. Additionally, just 1% of waste resulted from demolition, highlighting effective reuse and diversion strategies.





Apprenticeships and New Entrants

Heron Bros also captured social value performance data including , placement, and apprenticeship opportunities, Training and Development initiatives and Health and Safety initiatives.



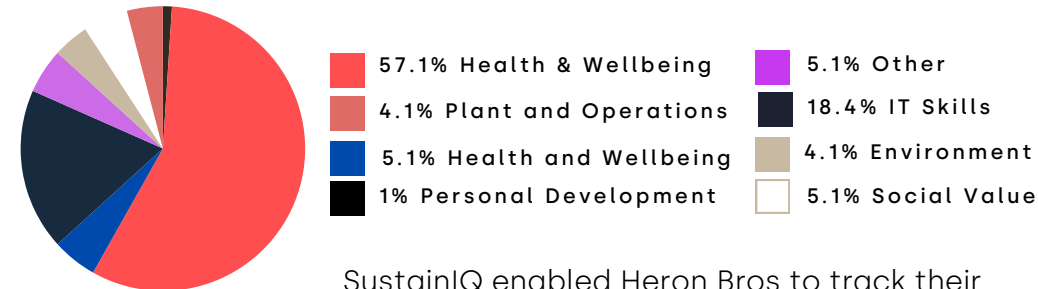
Apprenticeship and New Entrants opportunities



Heron Bros provided 510 weeks of Apprenticeship and New Entrants opportunities across the Neilston Project. SustainIQ also enabled Heron Bros to track apprenticeship levels, allowing them to see the diverse range of skills levels they work with and train.

By having access to this data Heron Bros were able to understand their contribution to developing a skilled workforce and to the local community's economic and social well-being.

Training & Development

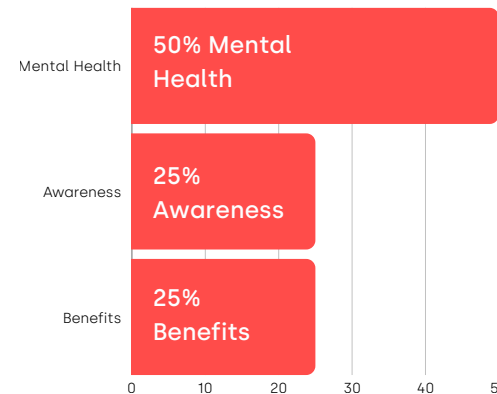


Training



SustainIQ enabled Heron Bros to track their training and development initiatives, providing an overview of all activities and outcomes. Throughout the Neilston project, they delivered an impressive 330 hours of training to project teams and supply chain partners. By centralising data on training and development, SustainIQ helped Heron Bros identify areas for further training and measure the impact of their initiatives.

Safety and Wellbeing



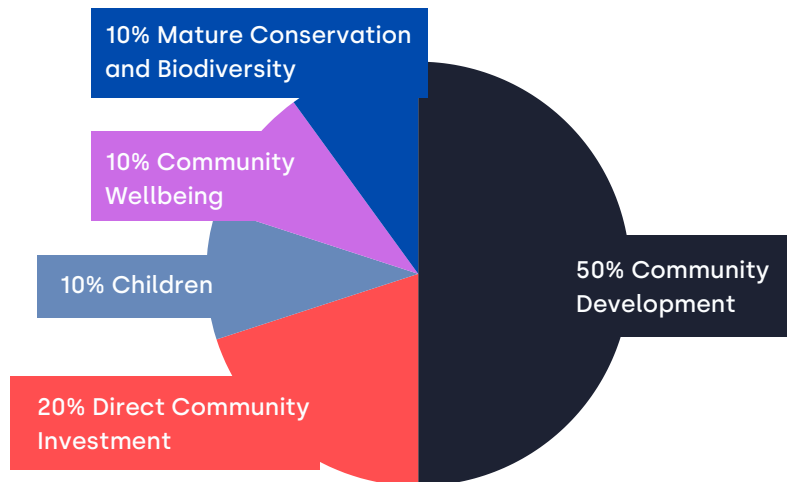
Throughout the project, Heron Bros delivered 17 hours of Safety & Wellbeing initiatives, safeguarding the well-being of all personnel and supporting compliance with health and safety regulations.

Safety and Wellbeing initiatives





Community initiatives



SustainIQ played a crucial role in enabling Heron Bros to track and manage their community and partnering initiatives effectively. Through the Neilston Project, Heron Bros contributed 66 hours of community and volunteering initiatives and reached 481 students through educational engagements.

Community and Volunteering

66
Hours

Educational Engagements

481
Students

The system allowed Heron Bros to monitor the impact of their investments in local infrastructure, businesses, and environmental sustainability projects.

Heron Bros
Neilston Learning Campus

sustainIQ



NOEL MULLAN - COMMERCIAL DIRECTOR

“Using SustainIQ, Heron Bros has significantly increased visibility of ESG performance across all projects helping us take a more strategic approach to how we manage impact, particularly with reducing Scope 3 GHG emissions across our supply chain”

sustainIQ

See how it could work for you!

hello@sustainiq.com
www.sustainiq.com



HERON BROS.

info@heronbros.com
www.heronbros.com