



Northern Care Alliance Sustainability Case Study

From Scope 3 data to a Net Zero
roadmap.


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About NCA

The Northern Care Alliance NHS Foundation Trust (NCA) is an NHS foundation trust in Greater Manchester, England.

 Serves approximately **1.6 million** people

 Generates **6,000+** tonnes of waste annually with a **£1.8b** turnover

 Provides healthcare services across Salford, Oldham, Bury, and Rochdale

Company Profile



Industry

National Healthcare



Employees

20,000+



Organisation

NHS Trust



Website

[https://
www.northerncaalliance
.nhs.uk](https://www.northerncaalliance.nhs.uk)



The Challenge

Within the NHS Green Plan, which ran between October 2021 to October 2024, Heidi Barnard, Group Head of Sustainability and the team enacted on a sustainability journey with the goal of becoming carbon neutral. A difficult task for any organisation, the size of the NCA made this especially challenging.



From day one, even the basic overview was useful - it allowed me to see the situation in black and white. It also finally provided a carbon emission number, at 291,655 tons, and I could see where we stood compared to others like us - roughly middle of the road.

- Heidi Barnard, Group Head of Sustainability



The Solution

She quickly realised the first priority was data. At this stage the Trust's carbon was little understood - they didn't even have a ballpark number for their total carbon emissions. She chose the AI carbon accounting engine **GreenInsight**, by Co2Analysis, after determining they suited her needs perfectly.

The **GreenInsight Analysis** would give her the data and insights she needed to create actionable plans.

The Action Plan

Heidi used the **GreenInsight Analysis** to drill deep into the carbon emissions of the Trust.

From this data, she found numerous actionable insights; quick wins that would give immediate return and get the departments on-board, alongside areas for long term work.



When I showed my COO how much we were spending on facemasks, and how much we used, her jaw hit the floor. It lit a fire beneath her and everything got moving. That, for me, paid for the data and the analysis by itself.

- Heidi Barnard, Group Head of Sustainability

1

Get upper management invested

She found a huge amount of waste, especially surgical mask PPE, which put the matter into perspective for her COO.

2

Bring an actionable plan to procurement

Using the GreenInsight Supplier Pareto, she was able to get procurement working with the top 10 suppliers.

3

Begin longterm work to tackle carbon

Heidi found numerous avenues to pursue, once the big ticket items were dealt with; waste linen, MRI inefficiencies, and more.

The Results

Heidi was able to build momentum and enact rapid change via good use of the data.

The quick-win of sudden, significant savings by tackling both the PPE waste and the tons of letters they weren't meant to be sending (having switched to digital), gave her team the momentum and empowerment from upper management to get to work on procurement.

From there she began tackling numerous longer-term issues. Using the data, she could see where the problems were, and could then begin to rectify them.

This included a landmark study conducted by Heidi in collaboration with the surgical department, where they used **GreenInsight AI** to map the carbon footprint of spinal surgery.



CARBON REDUCTION

A transformational reduction in carbon across the Trust.



COST SAVINGS

Smarter spend.
Greater efficiency.
Real savings.

About Co2Analysis

We are an organisation of data specialists with a long background in supply chain and carbon analysis.

We support public and private sector organisations in measuring and reducing their carbon footprint by empowering them on their journey to Net Zero.

Our advanced Carbon Accounting Software, whilst complex in its analytical capabilities, is easy to use and provides actionable insights. To find out more, visit co2analysis.com.

100+

Happy
Clients

567M

Tonnes
of CO₂e analysed

2.5M

Shared
Suppliers

\$2.5T

Customer Spend
analysed