



› Net Zero Carbon Strategy

Optima



➤ Introduction: Taking Responsibility for Tomorrow

In 2015, 196 nations signed the *Paris Agreement* - a landmark commitment to limit global warming to 1.5°C above pre-industrial levels. It was the first time the world united behind a common environmental goal, recognising that climate change demands urgent and collective action.

In the UK, that ambition has taken shape through a legally binding target to reach net zero carbon emissions by 2050, with an interim goal to reduce greenhouse gas emissions by at least 81% by 2035 (compared to 1990 levels).



UK Construction

The construction industry has a vital role to play in achieving this. From the embodied carbon of materials to energy use in manufacturing, our sector contributes a significant share of national emissions. The decisions we make today - what we design, source and build - will define how sustainable our future really is.

At Optima, we recognise our responsibility and the opportunity it brings. Our products help shape the workplaces of tomorrow, and that means our environmental choices matter. We've committed to reducing emissions across our operations and value chain, making net zero carbon a central part of how we do business.

Optima

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› Our Commitment

The climate crisis requires leadership, urgency and collaboration. We're proud to have our near-term science-based target approved by the Science Based Targets initiative (SBTi), confirming that our approach aligns with the latest climate science.

Our goals are clear:

- Reduce Scope 1 and 2 emissions by 42% by 2030, using 2022 as our base year.
- Measure and reduce Scope 3 emissions across our full value chain.

These targets apply to our UK operations, including our head office in High Wycombe, our manufacturing facility in Radstock and regional offices around the country. They reflect our ambition to act decisively - not only to comply, but to lead by example.



Understanding Emissions



Scope 1

All direct emissions from the activities of an organisation or under their control.
e.g. mains gas



Scope 2

Indirect emissions from the production of energy used by the organisation.
e.g. purchased electricity



Scope 3

All other indirect emissions from assets not controlled by the organisation.
e.g. delivery of purchased materials



Nick Caley
Group CEO

› Our Strategy

Our approach is grounded in recognised international standards and robust data. We use the **Greenhouse Gas (GHG) Protocol** and **ISO 14064-1** to measure, record, and report our emissions transparently.

We focus on 3 key principles:

- 1. Eliminate** - adopt new business models and make smarter business decisions to design-out and prevent life cycle emissions.
- 2. Reduce** - Minimise energy use, improve efficiency across operations and invest in technology to optimise our processes.
- 3. Substitute** - Adopt renewable and low-carbon technologies, reduce the carbon intensity of our energy use and choose goods and services with lower embodied emissions.



“The climate change crisis has brought into sharp focus the responsibility on us all to **reduce the impact our actions have on the environment.**”

Achieving operational net zero carbon across our business is crucial, and through collaboration and innovation with our stakeholders and the wider construction industry, we will make environmental improvements for the benefit of everyone.”

We aim to continuously improve the quality and completeness of our data.

As new emission sources are identified we include them in our reporting, ensuring our carbon footprint remains accurate and comprehensive.

Our methodology will evolve as better data becomes available, shifting from spend-based to activity-based measurement for greater precision.

We also plan to seek third-party verification of our inventory management system against the GHG Protocol, reinforcing transparency and credibility.

Absolute emissions will be reduced to near zero before any residual and unavoidable emissions are offset through robust and verified schemes. Our approach ensures our pathway to net zero carbon is both credible and measurable.

› Progress So Far

We believe sustainability and business success go hand in hand and our journey to Net Zero is already well underway.

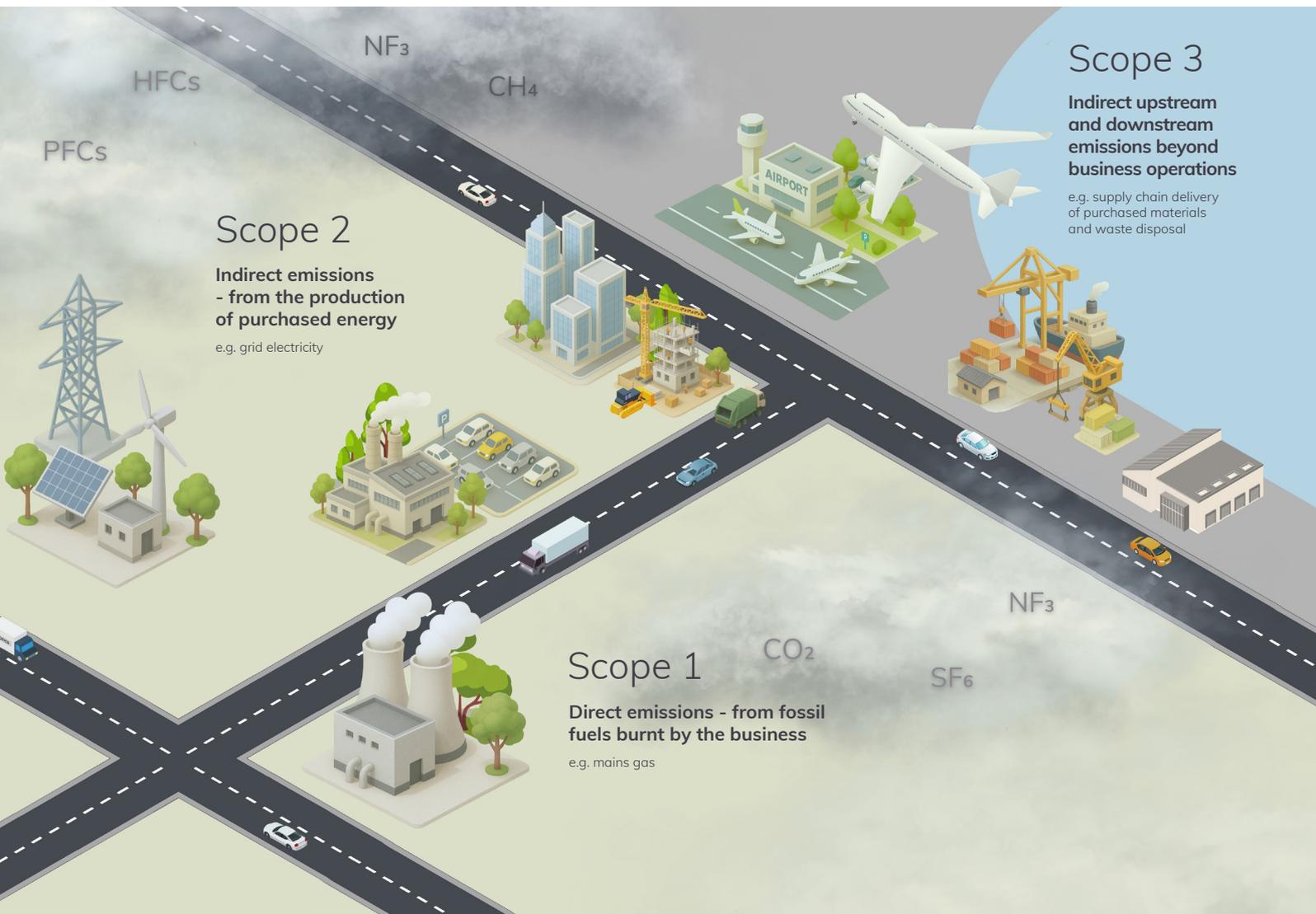
Since establishing our 2022 baseline, we've made substantial progress across our operations and supply chain - achieving a 35% reduction in Scope 1 and 2 emissions (market-based), well on track toward our 42% reduction target.

We have also reduced our total measured Scope 3 emissions by 43%. This is principally as a result of adopting aluminium with a minimum of 75% post-consumer recycled content, reducing associated emissions by 74% and saving over 2.6 tonnes of CO₂e per year.

Systems & Governance

Since 2022 we have:

- Defined our full GHG emissions inventory within the UK business boundary.
- Developed a management system in line with the GHG Protocol and ISO 14064-1.
- Published our baseline (2022) and annual update reports (2023 and 2024) covering Scope 1, 2 and 3 emissions.



Operational Reductions (Scopes 1 & 2)

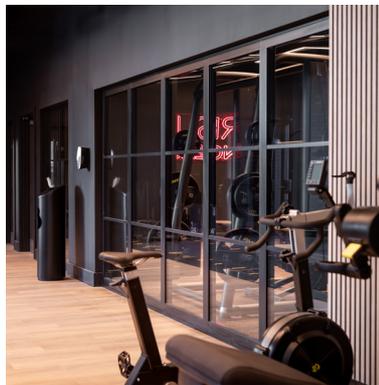
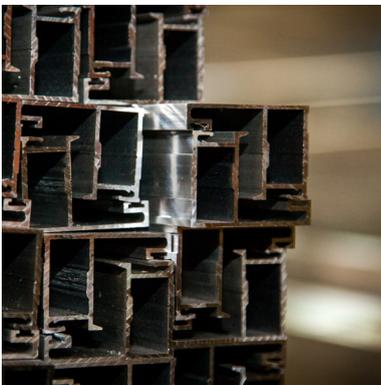
- Installed energy and water sub-metering systems to monitor and manage usage.
- Completed a full LED lighting replacement programme across two major sites.
- Installed a Voltage Optimisation (VO) system to reduce energy wastage.
- Added three Air Source Heat Pumps (ASHP).
- Installed a 570-panel photovoltaic (PV) system generating 285 kWp of renewable power.
- Replaced diesel forklifts with electric and HVO-fuelled alternatives.
- Transitioned company vehicles to electric and plug-in hybrid models.
- Introduced rainwater harvesting for use in manufacturing processes.
- Upgraded manufacturing plant equipment and insulation to improve energy performance.
- Installed a heat recovery system on the main powder-coating line.



Value Chain Reductions (Scope 3)

- Migrated all systems to aluminium with a minimum 75% recycled content.
- Implemented an aluminium off-cut scheme for direct recycling.
- Adopted plastic-free packaging for fire-rated products.

Combined, these actions cut emissions and improve efficiency, resilience and long-term cost performance.



› Our Next Steps

Reaching net zero requires a continuous process of improvement. Over the coming years, we're focused on deepening our impact through better data, smarter systems and closer collaboration across our value chain.

Planned Initiatives

- Introduce a comprehensive carbon reporting system to manage growing data complexity.
- Upgrade the gas boiler at our Head Office to a more efficient model.
- Make building fabric improvements to reduce energy demand.
- Enhance supply chain data collection for purchased goods and transport.



- Implement improved business travel and visitor logging systems.
- Promote low-carbon glass options to clients to reduce product embodied carbon.
- Continue staff awareness campaigns on energy use and sustainability.
- Develop a sustainable travel policy for all employees.

Future Considerations

- Implement an Energy Management System (ISO 50001).
- Explore additional PV installation at our Head Office.
- Introduce incentives for sustainable transport.
- Promote electric delivery vehicles through our logistics partners.
- Research technologies to reduce manufacturing temperatures and further cut energy consumption.
- Set science-based net-zero targets for SBTi approval.
- Review and consider setting Scope 3 reduction targets.





› Achieving Net Zero

Measuring Success

Credible and meaningful progress requires measurable and accurate data collection. Our emissions data is measured against globally recognised standards, and our near-term targets are independently validated by the Science Based Targets initiative (SBTi). We track and report progress annually, publishing third-party approved results for full transparency.

Our goal is to maintain a consistent cycle of measurement, improvement and verification, ensuring accountability at every stage.

In 2028, we will review this strategy and consider setting Scope 3 reduction targets, reflecting the next phase of Optima's decarbonisation journey.



Working Together

Achieving net zero is a shared goal for all stakeholders within the built environment. We believe progress accelerates when innovation and collaboration go hand in hand.

We're committed to working with our partners, suppliers and clients to design and deliver workplaces that are beautiful, functional *and* sustainable.

Together, we endeavour to shape a lower-carbon future for workplaces across the UK and beyond.

› Glossary

Carbon Dioxide Equivalent (CO₂e)

A standard unit of measurement expressing the impact of all greenhouse gases in terms of the amount of CO₂ that would have the same global warming effect.

Embodied Carbon

The total greenhouse gas emissions produced during the lifecycle of a product or material, from raw material extraction to manufacture, use and disposal.

Greenhouse Gas (GHG)

Gases such as carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) that trap heat in the Earth's atmosphere and contribute to climate change.

Greenhouse Gas Protocol

The internationally recognised accounting and reporting standard used to measure and communicate greenhouse gas emissions.

ISO 14064-1:2018

International standard providing guidance for the quantification and reporting of greenhouse gas emissions and removals at the organisational level.

ISO 50001:2018

The international standard for energy management systems, helping organisations to continuously improve energy performance.

Net Zero Carbon

The state in which greenhouse gas emissions are reduced to near zero, and any remaining emissions are permanently removed from the atmosphere.

Science Based Targets (SBTs)

Emission reduction goals aligned with the latest climate science to limit global warming to 1.5°C in line with the Paris Agreement.

Scope 1 Emissions

Direct emissions from sources that are owned or controlled by an organisation, including fuel combustion and company vehicles.

Scope 2 Emissions

Indirect emissions from the generation of purchased energy used by an organisation.

Scope 3 Emissions

All other indirect emissions from the organisation's value chain, including purchased goods, business travel, waste and use of sold products.

The Science Based Targets initiative (SBTi)

SBTi helps organisations set credible greenhouse gas reduction targets aligned with limiting global warming below catastrophic levels and achieving net zero by 2050. It provides the standards, tools and guidance needed to drive meaningful corporate climate action.



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