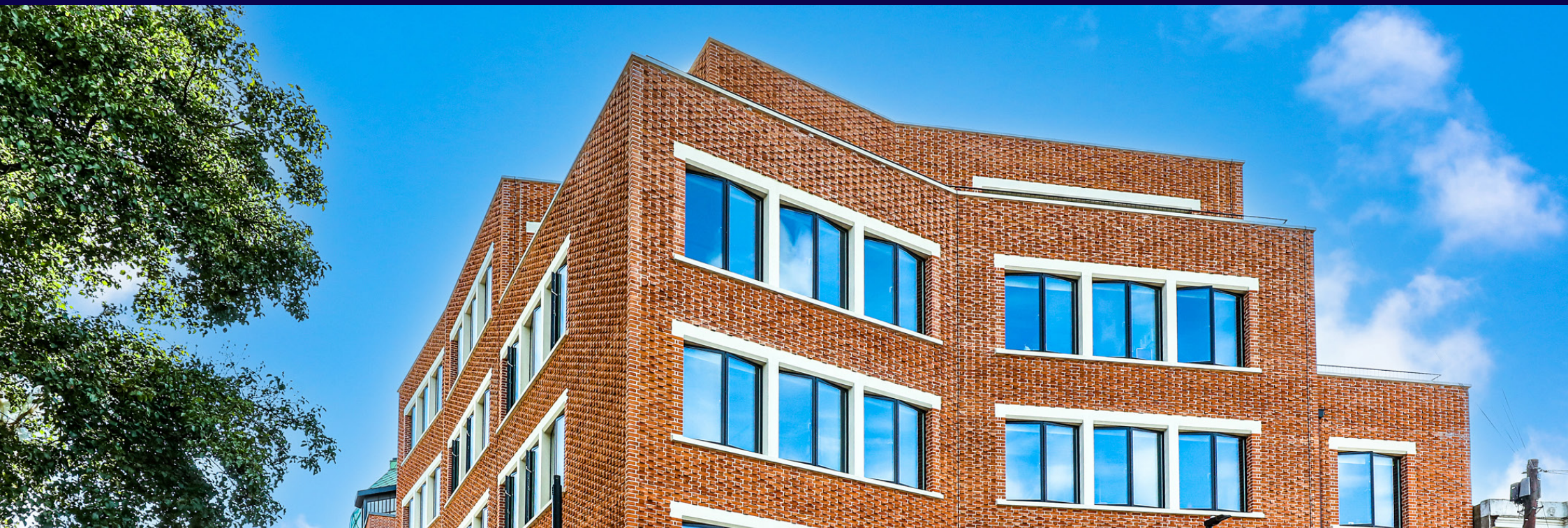


# Building a Sustainable Future

Our Environmental Sustainability Strategy and Roadmap to Net Zero, UK



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Front cover image: The Department Store Studios, London  
- Leviat designed a unique masonry restraint system for the construction of this new sustainable office building based in South London.

## About Leviat

Leviat is a global leader for engineered solutions and innovative products that enable safer, faster, stronger, more sustainable construction.

In the UK, Leviat operates across four locations, employing c.500 people.

Formed in 2020 as a single organisation - Leviat brings together the expertise, resources and heritage of market-leading businesses including Ancon, Halfen, Helifix, Isedio and Thermomass. As part of CRH, the largest building materials solutions business in the world, we are connected to a global network of c.78,500 people across 28 countries.

From the safe handling of precast concrete elements and highly engineered concrete connections, to the support of architectural façades and innovative ways to improve thermal and acoustic performance, there are few areas of a structure that cannot be improved by our construction solutions.

In addition to new-build construction, our competencies extend to structural repair systems for renovation work and flexible framing solutions for industrial applications.



500+  
Employees



Operating  
across  
4 UK locations

### Trusted Product Ranges:

**Ancon**

**H** HALFEN

**ISEDIO**

**HELIFIX**

**thermomass**

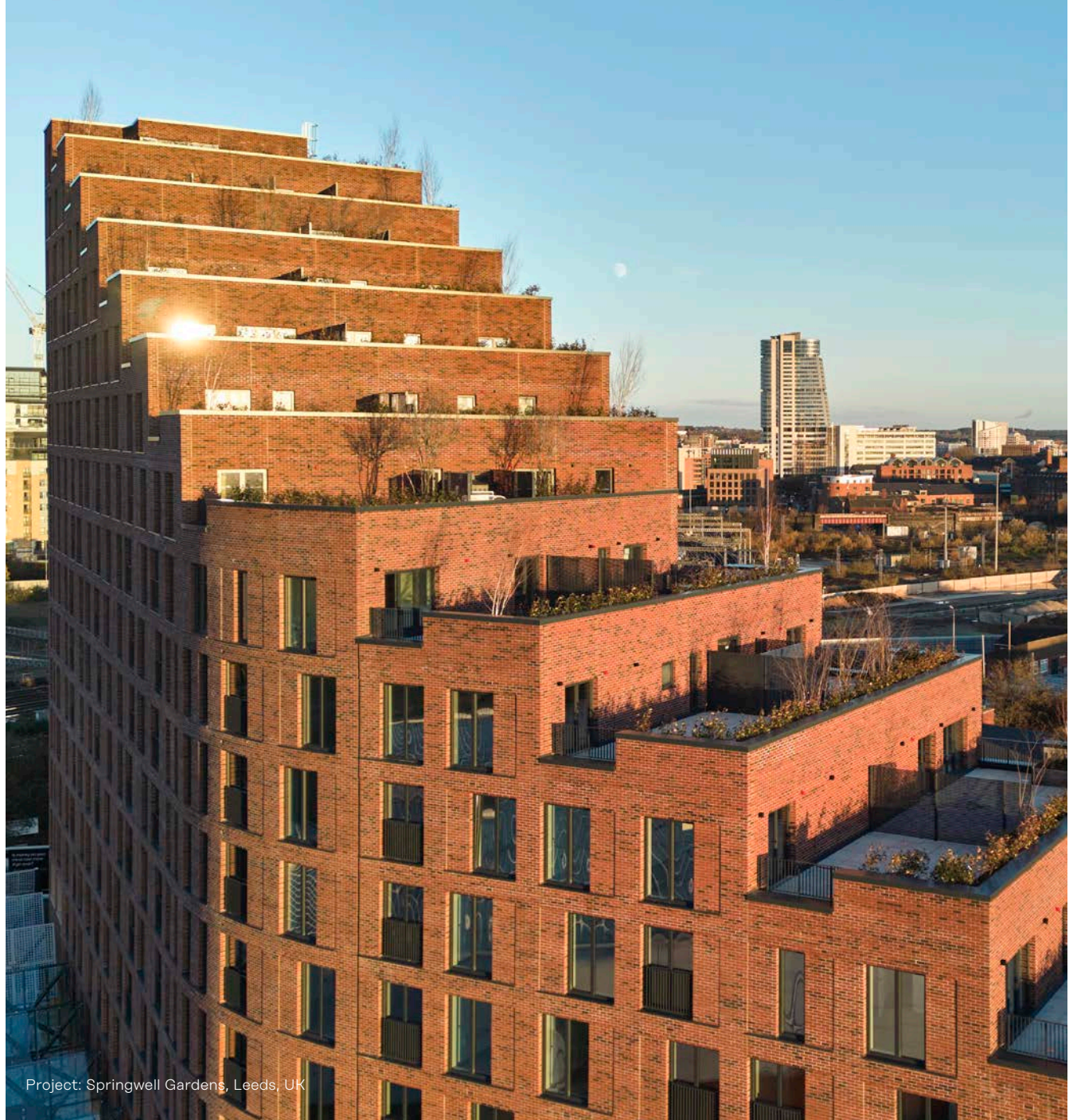


## The Challenge

Climate change is an ongoing challenge. The planet is warming, causing an increase in extreme weather events and a disruption to the stable environment that we all depend on.

Society relies on the Built Environment - according to the UK Climate Change Council, it contributes approximately 38% of the UK's total carbon footprint.

**The construction sector has a fundamental role to play in developing innovative solutions to reduce emissions and achieve Net Zero by 2050.**



Project: Springwell Gardens, Leeds, UK

# Our Commitment in the UK

As an industry leader, driven by innovation and continuous improvement, we recognise our responsibility in contributing to the safeguarding of the **construction industry**, our **society** and our **planet**. We are committed to achieving a more sustainable built environment, working closer with our customers and business partners, in order to meet everyone's sustainability goals.

Environmental sustainability can be defined as 'the responsibility of current generations to conserve natural resources and protect global ecosystems to ensure the health and well-being of future generations, in an equal and just manner'. This defining statement encompasses the Leviat values:

- People are our priority
- Character is our strength
- Performance is our commitment
- Innovation is our way forward

Decarbonising our UK operations to provide products and services that aid the global built environment in mitigating the impact of climate change, whilst adapting to the environmental threat associated with the climate crisis, is a core element of Leviat's UK corporate strategy and purpose.

In this document, we highlight where operational carbon comes from, based on a 2021 baseline, and outline our plans to achieve **net zero by 2050**, so that our stakeholders can see the steps being taken to '**Building a Sustainable Future**'.



**Jessica Marsh,**  
**Environmental &**  
**Sustainability Engineer, UK**

“ The Climate Crisis is an ever-growing personal concern. I am proud to work for an organisation that can make real, meaningful change for people and planet. Since starting this role in September 2022, I have been overwhelmed with the enthusiasm across all levels of the business toward being stewards of the world. In a career like mine, often the biggest challenge to overcome is gaining the support and altering the culture of an organisation to encourage them to not only need change, but also want change.

At Leviat, it has been clear that my colleagues are simply good people who actively want to make a difference. Leviat has come a long way in recent years, I am looking forward to witnessing the continuous improvement going forwards.

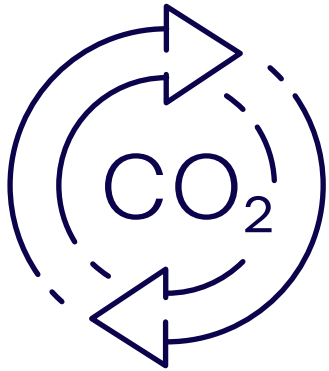
”

**Rune Magnusson,**  
**Managing Director,**  
**UK & Asia**

“ At Leviat, we recognise we have an important role to play in the development of a more sustainable future for our industry, society and planet, and we are committed to measuring, reporting and continuously improving our sustainability performance.

For me personally, sustainability is about providing a healthy environment for all our stakeholders which means safeguarding our planet and its resources to build a sustainable economy. Our commitment to sustainability in our products and processes is mirrored by our passionate determination to maintain a sustainable environment for our colleagues, our customers and society as a whole.

”



## Climate Targets

Leviat in the UK is taking action to drive decarbonisation across our business through **Scopes 1, 2 and 3**.

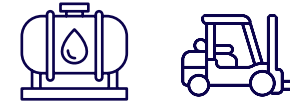
Our efforts are aligned with the target of our parent company, CRH. It has set industry leading, Science Based Target Initiative (SBTi) validated targets which equate to a 30% reduction in absolute carbon emissions by 2030 (from a 2021 base year).

The science based target defines how much and how quickly we need to reduce our CO<sub>2</sub> emissions to be consistent with the goals of the International Paris Agreement, which highlights the need to not exceed 1.5°C of warming.

### Scope 1

**Direct emissions that arise from the use of fuels in owned or controlled goods.**

e.g. fuel combustion to provide heat, fuel used by onsite transport, fuel used by company cars



### Scope 2

**Indirect emissions that arise from the generation of electricity purchased.**

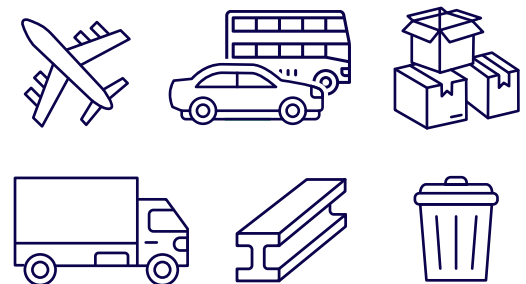
e.g. electricity purchased for own use



### Scope 3

**Indirect emissions that arise from business related activities in our value chain.**

e.g. delivery of goods and services up/downstream, waste management, business travel, employee commuting, purchase of goods and services



At Leviat in the UK, the highest percentage of emissions comes from our Scope 3 activities.



## Our key achievements in the UK so far...



Implementation of ISO14001 Environmental Management System – all UK sites accredited



Partnership with Carbon Decoded for energy reporting on half hourly data



Introduction of Kite packaging to monitor continuous improvement of recyclability and reusability of packaging



Product Launch of Ancon Teplo Wall Ties<sup>(1)</sup>



Start of transition to electric onsite fork lift trucks (FLT) PPT – 61% success to date



- Introduction of EV charging points – 12 across 3 UK sites
- Introduction of energy efficiency as CAPEX category

All solutions actioned by Leviat in the UK unless otherwise specified.



2019

- Transition to LED lighting – 100% transition
- Transition to electric company cars – 58% petrol hybrid or electric to date
- Implementation of Mental Health First Aiders



2022

- Dedicated sustainability resource
- Launch of Zero Harm campaign
- Delivery of multiple Safety Shut Down Days across our manufacturing sites
- Launch of internal Inclusion and Diversity Team
- Implementation of reusable rags and mats at operational sites



2021

- Purchasing all electricity from REGO-backed sources
- Implementation of lighting sensors in communal areas
- Product launch of the Thermal Windpost<sup>(2)</sup>
- Implementation of automatic lavatory taps



2023

- Partnership with PPE recycling business at operational sites
- Transition to different waste service provider to improve traceability
- Internal Earth Week campaign
- Launch of internal Environmental Sustainability Champions group

1. Ancon Teplo Wall Ties comprise pultruded basalt fibres set in a resin matrix which offers a thermal conductivity of just 0.7W/mK (compared to 15-17W/mK for stainless steel). The thermal efficiency of this innovative material means these ties may be excluded from U-value calculations to BS EN ISO 6946, minimising insulation thickness and wall footprint. On projects where the most stringent thermal specifications are required, Ancon Teplo Wall Ties can be used to virtually eliminate any cold bridging through the wall tie.

2. With robust integral non-combustible mineral fibre insulation in combination with a thermal slot array, using the Ancon Thermal Windpost in place of a traditional windpost results in up to 70% reduction in thermal transmission through the span of the section, as well as improving the consistency and repeatability of fitting insulation in and around the post, ensuring that the intended thermal design is met (verified by An-imo).

# Our Environmental Strategy and Net Zero Roadmap

**2021 - 2050**

Community focus

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Product specification

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Operational efficiency

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Plant/office modifications

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Electrification of vehicle fleet

---

Responsible sourcing and use of green steel

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Sustainable packaging

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Self-generated power

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Decarbonisation of supply chain and delivery

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Supporting a nature positive environment

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Next generation technologies

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# Strategic Initiatives

By positioning sustainability at the core of modern construction, Leviat in the UK is supporting the delivery of the United Nation's (UN) Sustainable Development Goals (SDGs) and aligning our sustainability strategy and Net Zero plan with the UN SDGs.

We are dedicated to doing the right thing for all our stakeholders - we strive to complete the following strategic initiatives in recognition of the demand in the market for low carbon products. All solutions outlined will be actionable in the UK by Leviat.



## SDG11

### Community Focus

At Leviat, we continue to educate and support our direct and indirect community on social and environmental challenges, increasing the existence of sustainably driven and safe communities.

We encourage employees to participate in training, which we provide, to equip our people with a better understanding of the climate crisis and what we can do in Leviat to combat it.

Throughout the UK, we hold fundraising activities to raise money and awareness for charities that support communities dealing with the environmental and social impacts of climate change.

Earth Week is to become an annual event in the Leviat UK calendar, to bring together our community with fun and educational activities.



## SDG9 & SDG13

### Product Specification

Overall, by improving the efficiency of operations, the structural optimisation of products and replacing materials with more sustainable options, we will reduce the embodied carbon of products. We will continue to design innovative solutions to reduce the lifetime carbon of our products through thermal performance.



## SDG9 & SDG12

### Operational Efficiency

We will continue to evaluate our operational methods to ensure we are working efficiently. The addition of sub-metering onsite will allow us to monitor energy use of specific circuits and machinery, to understand where our greatest usage comes from and find solutions accordingly, whether this means altering the process or purchasing a more efficient machine.

A company travel policy will help to minimise the volume of transport used and the way in which we travel. Promoting a travel carbon budget will ensure only business critical travel takes place and will encourage slower travel like trains, where applicable.

In recent years, we have made significant progress reducing paper use across our sites. We will continue to evaluate the use of paper in our operations to identify processes that can be altered to a paperless alternative, an example being the use of hardware tablets in our factories for viewing design specifications.

Over the past few years, Leviat has introduced several waste streams to reduce the volume of waste and to improve methods of disposal. Work will continue to identify areas of improvement and create solutions whether it be prevention, reduction, recycling, or reuse. This also applies to the use of clean, drinkable water in UK locations.





## SDG9, SDG12 & SDG13

### Plant/Office Modifications

One area of significant focus is the removal of our gas central heating systems, where applicable. To gain energy security and reduce our footprint, options are being evaluated to replace our heating systems with an alternative to gas.

In the UK, Leviat employs a “cloud-centric” approach to the deployment of applications and infrastructure, with a strong bias towards cloud services in the selection of new applications and platforms, and the migration of existing on-premises systems to cloud resources wherever feasible. This approach continues to be explored and improved upon.



## SDG11 & SDG13

### Electrification of Vehicle Fleet

To reduce Scope 1 emissions, all onsite operational vehicles are being changed to electric alternatives where technology allows. Electric and hybrid vehicles continue to be integrated into our company car fleet and we are providing appropriate charging infrastructure on site to support this transition.



## SDG9 & SDG12

### Responsible Sourcing and Use of Green Steel

We are implementing a sustainable procurement strategy and engaging our suppliers to do the same – focusing on human rights due diligence and the accuracy of data being collected.

Steel is already a highly recycled material, reducing the embodied carbon in our products, however this can still be improved upon. We will continue to monitor the progress of green steel availability in the UK market, support our suppliers with the transition and utilise this product where possible.



## SDG12

### Sustainable Packaging

We are working hard to improve the packaging we use. Currently, the greatest volume of material used across our UK operations is wood. We are therefore looking at ways of reducing, recycling or reusing the crates and pallets we use.

Furthermore, we are working closely with our packaging suppliers to explore various material options, including card and plastic and even the ink we use for our point of sale materials. We have already transitioned from plastic to paper packing tape across all sites. Handling of our packaged products is also a key consideration, as we look to make improvements for our couriers and distributors.



## SDG13

### Self-Generated Power

We are exploring the viability of supplementing onsite energy use by installing solar PV on roofs and purpose built car ports, at applicable Leviat locations in the UK. This would contribute to our goal of achieving renewable coverage of energy used in production, however there would still be some reliance on the National Grid. Methods of sequestering renewable energy have not been ruled out to achieve full renewable coverage and significantly decrease Scope 2 company emissions.







Project: Harris Academy, Sutton, UK

## SDG9, SDG12 & SDG13

### Decarbonisation of Supply Chain and Delivery

To reduce Scope 3 emissions we will work with couriers and hauliers to create a more efficient upstream and downstream delivery approach.



## SDG13 & SDG15

### Next Generation Technologies

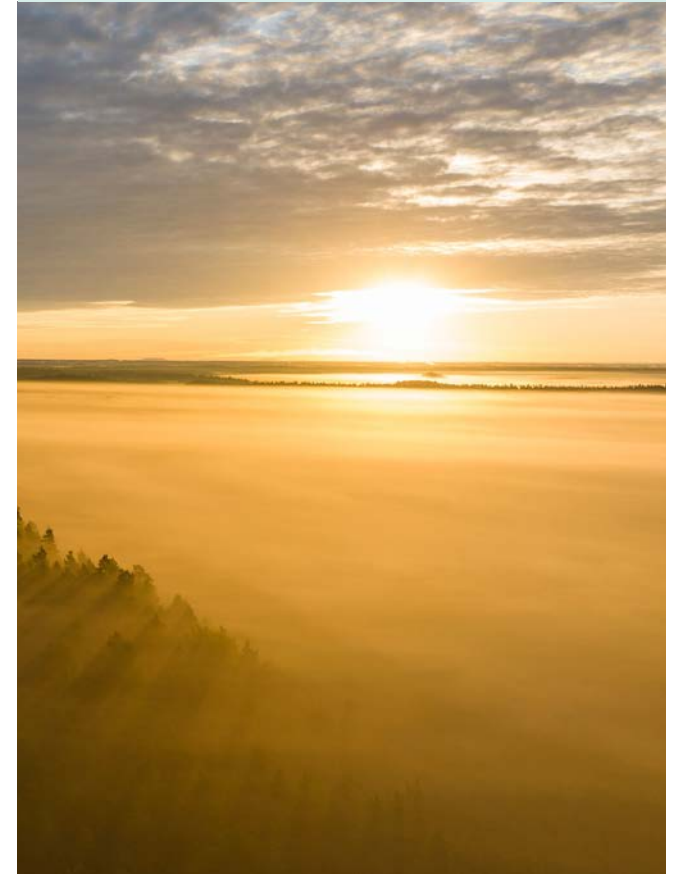
As we continuously reduce our carbon footprint and improve our sustainability performance, we will explore additional ways in which we can decarbonise through innovation.

## SDG15

### Supporting a Nature Positive Environment

At present, most Leviat sites in the UK have disused land surrounding buildings and car parks. Our aim is to utilise this space to increase biodiversity and expand the use to increase the benefit we can provide to nature and the well-being of our employees. Through charitable events and donations, we will endeavour to revitalise nature in our communities.

Photo credit: Patrick Mason





## Leviat UK Environmental Sustainability Committee

At Leviat, we are committed to making a difference, which is why we have established an Environmental Sustainability Committee that brings together passionate individuals from various departments across our business.

Meeting every two months, our committee is dedicated to discussing and developing innovative plans to promote sustainability at our UK locations. With a shared vision of creating a sustainable future, our committee members collaborate and discuss initiatives that make a real impact. By harnessing the diverse expertise and perspectives of our team, we are able to drive meaningful change and pave the way for a more sustainable tomorrow.







## Final Word

Delivering on Net Zero is not a linear process, Leviat in the UK is committed to imagining the solutions, modelling the path, and affecting change for all stakeholders, local communities, and the planet.

Find out more at [Leviat.com](https://Leviat.com) or follow us on LinkedIn

**Imagine. Model. Make.**

[Click here to read the CRH Sustainability Report \(2024\).](#)



# Glossary

## Carbon Footprint

The amount of Carbon Dioxide and other Greenhouse Gases released into the atmosphere because of the activities of a particular individual, organisation, or community.

## Net Zero

Reducing emissions in line with latest climate science and balancing remaining residual emissions through carbon removal credits.

## GHG

A greenhouse gas that absorbs and emits radiant energy at thermal infrared wavelengths, causing the greenhouse effect. Water vapour, CFCs, Methane, Carbon Dioxide and Nitrous Oxide.

## International Paris Agreement

A legally binding international treaty on climate change adopted by 196 Parties, including the UK, at the UN Climate Conference (COP21) in 2015. The Treaty's goal is to keep "the increase in the global average temperature to well below 2°C above pre-industrial levels" and pursue efforts "to limit the temperature increase to 1.5°C above pre-industrial levels."

## SBTi

The science-based target defines how much and how quickly we need to reduce our CO<sub>2</sub> emissions to be consistent with the goals of the International Paris Agreement, which highlights the need to not exceed 1.5°C of warming.

## The United Nations

The United Nations (UN) is an intergovernmental organisation that aims to maintain international peace and security, develop friendly relations among nations and countries, achieve international cooperation, and serve as a centre for coordinating the actions of member states.

## SDGs

The Sustainable Development Goals, also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

The 17 SDGs are integrated - they recognise that action in one area will affect outcomes in others, and that development must balance social, economic and environmental sustainability.

