



Carbon Reduction Plan 2025

Grestec Tiles Ltd. United Kingdom
January 2025



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1. Commitment to Achieving Net Zero

Grestec Tiles is committed to achieving Net Zero emissions by 2030. Our Net Zero target is 20 years ahead of the 2050 target set out in the standard Carbon Reduction Plan requirements.

Grestec Tiles is continually strengthening our environmental policies and practices, which address reducing emissions, waste, and water usage across our entire operation.

More information on Grestec Tiles commitments is available at:

www.grestec.co.uk/environmental

2. Baseline Emissions Footprint

Comparison Between Baseline Year (2021) and 2024

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2021
Additional Details relating to the Baseline Emissions calculations.
<p>As part of Grestec Tiles’ environmental footprint strategy, Grestec Tiles measures, minimises and reports on the firm’s environmental footprint, including undertaking rigorous annual measurement of emissions.</p> <p>2021 - as our first reporting period - will be used as the baseline to measure our performance allowing us to track our progress against our self-imposed targets, and will be separated into Scope 1, 2, and 3 emissions.</p> <ul style="list-style-type: none"> • Scope 1: Encompasses indirect emissions, including those associated with the purchase and consumption of electricity. • Scope 2: Encompasses indirect emissions, such as business travel. Scope 2 emissions are mainly calculated based on mileage (ground and air travel), direct business and employee commute travel. • Scope 3: encompasses other indirect emissions, such as purchased goods and services, technology usage and cloud services, hotel stays and waste disposal.

Baseline Year Emissions (2021)	
Emission Type	Emissions 2021 (tCO2e)
Scope 1 Energy indirect emissions	4.3K
Scope 2 Travel indirect emissions	26.54K
Scope 3 Other indirect emissions (Included Sources)	36.06K
Total Emissions	66.9K

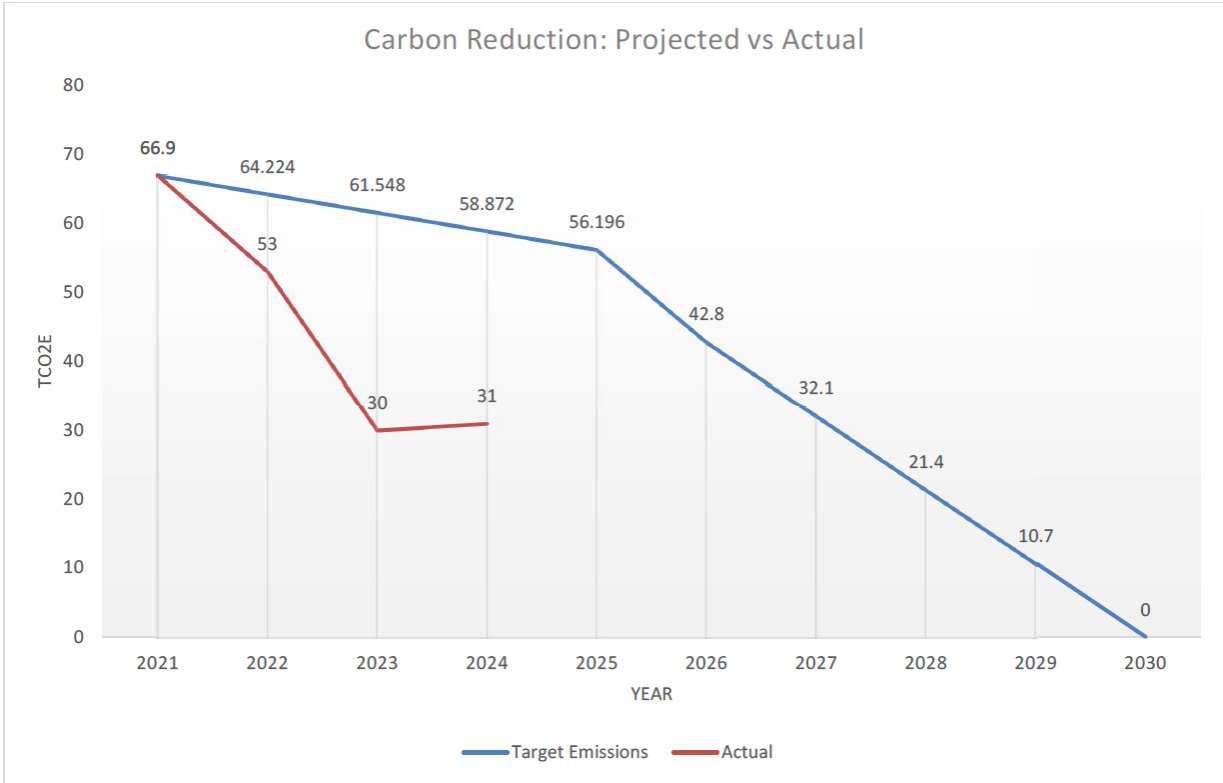
3. Current Emissions Reporting

Reporting Year: 2024)	
Emission Type	Emissions 2021 (tCO2e)
Scope 1 Energy indirect emissions	16K
Scope 2 Travel indirect emissions	1.03K
Scope 3 Other indirect emissions (Included Sources)	-28.8K
Total Emissions	33.93K

4. Emissions Reduction Targets

Our previous target, to achieve 58.87 tCO₂e by 2024 has been greatly surpassed mainly due to our installation of solar panels in 2022. So far this has provided a total offset of 71.6 tCO₂e between 2022 to 2024 as we supply any excess renewable energy back to the national grid. This has helped to drastically offset our emissions, leading to a 53% reduction upon 2021 levels, helping bring us much closer to our target of Net Zero by 2030.

To continue along our journey to Net Zero we will now look to reduce our emissions from 31 tCO₂e to 0 tCO₂e in 2030, a reduction of 100%. These projects will be outlined in section 5b – planned environmental actions.



5a. Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Action	Status	Year Completed
1.Installed Window Glazing	Completed	2021
2. Insulated Buildings	Completed	2021
3. Installed LED lighting	Completed	2021
4. Electric Forklift	Completed	2022
5. Implementation of Environmental Management System (EMS)	Completed	2022
6. Installed Solar Panels & Battery Storage	Completed	2022
7. Source Packaging from Recycled Materials	Completed	2023
8. Minimised waste	Completed	2024

Completed Actions

1. Installed Window Glazing

Installing window glazing in 2021 has significantly improved our energy efficiency, reducing our reliance on heating and cooling systems. This has led to lower energy consumption and a smaller carbon footprint. Overall, this investment supports our sustainability goals and enhances our business operations.

Year Completed 2021

2. Insulated Buildings

In keeping with Grestec Tilles’s long-standing commitment to the environment and sustainability our head office in Smarden, Kent, was insulated back in 2021. Being fully powered by electricity, this upgrade has significantly reduced our energy consumption, particularly the electricity needed for heating.

Year Completed 2021

3. Installed LED Lighting

LED stands for light-emitting diode and were chosen by Grestec due to their energy-efficiency and long service life, producing the same brightness as fluorescent lighting for around 80% less electricity. This significant reduction in energy consumption helped to decrease greenhouse gas emissions, making LED lighting an environmentally positive choice.

Year Completed 2021

4. Switched to Electric Forklifts

In 2022 Grestec switched to electric forklifts which produce zero emissions, improving air quality and reducing harmful pollutants. They are energy-efficient, lowering overall energy consumption and carbon footprint.

Year Completed 2022

5. Implementation of Environmental Management System (EMS)

Grestec Tiles is dedicated to environmental sustainability through the implementation of an Environmental Management System (EMS). This system ensures that our operations consistently meet high environmental standards and continuously improves our environmental performance. Our commitment has been recognised with a Gold status certification from the KCC Low Carbon STEM scheme highlighting our efforts to promote sustainable practices across all aspects of our business.

Year Completed 2022

6. Installed Solar Panels & Battery Storage

In 2022, Grestec Tiles installed solar panels and battery storage at our head office and warehouse, significantly advancing our carbon reduction efforts. By generating and storing clean, renewable energy onsite, we've reduced our reliance on fossil fuels and cut down on carbon emissions.

The surplus energy created is fed back into the national grid, supplying clean energy and helping to offset our own emissions. This initiative not only supports our sustainability goals but also brings us a step closer to our target of Net Zero by 2030.

Year Completed 2022

7. Source Packaging from Recycled Materials

To reduce the environmental impact of our next day samples service Grestec committed to sourcing our packaging from recyclable materials, reducing the carbon emissions of our packaging from between 30% to 50% due to the less energy-intensive production process of recyclable materials.

Year Completed 2023

8. Minimise Waste

We can see that recycling is good, but prevention and minimisation are key. Taking a holistic view at Grestec we have looked at procurement, production, and consumption. From re-using pallets to reusing packaging we always aim to reduce the amount of waste Grestec produces.

At Grestec we believe in transitioning from a linear to a more cyclical economy, which means keeping products in use for as long as possible, before recycling them at the end of the product's life. Recycling is achieved by our sustainable waste disposal, focusing upon recycling materials and waste to energy conversion reducing our landfill waste.

Year Completed 2024

5b. Carbon Reduction Projects

Planned and Ongoing Actions

Action	Status	Year Started / Planned Start
1. Work With Suppliers to Reduce Their Emissions	In progress	2021
2. Support Employees to Use Low-Impact Transport	In progress	2022
3. Reduced Inbound and Outbound Freight Weight	In progress	2024
4. Switch to Electric Cars	In progress	2024
5. Select Couriers Who Use Electric Vehicles	In progress	2025
6. Reduced Weight of Packaging Per Item	In progress	2025
7. Separate Waste Streams on Site	In progress	2026

Actions In Progress

1. Work with Suppliers to Reduce Their Emissions

Choosing partners which share our own sustainability goals is very important to us. That's why since 2021 we have been working alongside our partners to aid the production and design of environmental products. Further to this we also ensure that the products we select are increasingly sustainable from both the recycled content that is used to make the tile and the increased greenness of their production.

Year Started & Completion Year **2021 - Ongoing**

2. Support Employees to Use Low Impact Transport

To reduce our Scope 3 emissions, Grestec is committed to helping employees lower their commuting emissions by incentivising the use of low-impact transport. Starting in 2022, Grestec introduced a company carpool group, enabling employees to combine their commutes and reduce individual emissions. Additionally, we offer pick-ups from the local train station for employees commuting by train, further decreasing reliance on individual cars.

Year Started & Completion Year **2022 - Ongoing**

3. Reduced Inbound and Outbound Freight Weight

Realising the importance of reducing our Scope 3 emissions, Grestec Tiles is committed to minimising the weight of our inbound and outbound freight. We are enhancing our practices by reducing the weight of the pallets we use and offering thinner format tiles – such as 8 and 9mm standard thickness tiles instead of the usual 10mm – decreasing the overall weight and emissions of our haulage.

Decreasing the standard format thickness of a porcelain tile leads to around a 1-2kg reduction in the weight of the tile. As an ongoing initiative this will help reduce Grestec's carbon footprint over the next few years helping us reach our Net Zero Target by 2030.

Year Started & Completion Year **2024 - Ongoing**

4. Switch to Electric Cars

In 2024, Grestec took its first step towards transitioning the company's fleet from petrol to electric cars. Since then, 14% of our fleet now consists of electric vehicles. These electric cars emit around three times less CO₂ than petrol cars, resulting in an estimated reduction of approximately 2 tCO₂e per car per year. Our goal is to fully transition our car fleet to electric by 2027, marking a significant milestone in our journey towards achieving Net Zero.

Year Started & Completion Year

2024-2027

5. Select Couriers Who Use Electric Vehicles for Distribution

At Grestec, it is crucial that our transport partners align with our sustainability goals. Therefore, we have chosen couriers who use electric vehicles to deliver our samples. This ensures our partners are in step with us on our commitment to Net Zero, whilst helping to reduce the emissions associated with our sample deliveries.

Year Started & Completion Year

2025

6. Reduced Weight of Packaging Per Item

To further reduce the impact of our samples service, Grestec is aiming to decrease the weight of our samples packaging, which will help to target and further reduce our Scope 3 emissions - our largest emitter category - contributing to reaching our sustainability goals.

Year Started & Completion Year

2025 - Ongoing

7. Separate Waste Streams on Site

To enhance our recycling system and further reduce greenhouse gas emissions, Grestec will begin separating waste on-site starting in 2026. This change will improve the recycling process by ensuring that all reusable materials are properly recycled, aligning with Grestec's cyclical economy mindset for waste reduction.

Year Started & Completion Year	2026-2026
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6. Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

A handwritten signature in black ink, appearing to read 'Daren Eastman', with a long horizontal line extending to the right.

Daren Eastman
Managing Director, Grestec Tiles Ltd
Dated: 22/01/2025