



Our Journey to Climate Positive

2023 Progress Report

Innovation Centre, Sheffield, UK
Published November 2024

Our Progress So Far...



2021 Progress Report
Published Q2 2022
[Click to view here](#)

In our 2021 report, we shared updates on our three key sustainability goals, with a primary focus on Scope 1 and 2 emissions. Since then, we've made significant strides in understanding and measuring our Scope 3 emissions.



2022 Progress Report
Published Q4 2023
[Click to view here](#)

Our 2022 sustainability progress report, marked a major milestone: we achieved carbon-neutral operations in the UK, as verified by Planet Mark. We also made significant strides in identifying and measuring Scope 3 emissions worldwide, bringing us closer to our 2030 Net Zero goal.

- Successfully Achieved Goals
- Published Progress Reports
- Annual Progress Report
- Our Target Goal





Ed Stubbs
Group Managing Director

“ We are pleased to be reporting further progress on our Journey to Climate Positive and impressive engagement from all of our employee owners on reducing our carbon emissions.

We remain 100% committed to and enthused by the journey ahead. ”

Carbon Neutral* Global Operations

Having achieved carbon neutrality* in Gripple UK & Ireland in 2022, we are excited to extend this milestone globally.

Our third consecutive year of Planet Mark Business Certification in accordance with PAS 2060:2014 for the 2023 reporting year highlights the successful attainment of our second goal of Carbon Neutrality* across our global operations, including Gripple UK, Europe, USA, Canada, India, and Japan.

We reached this accomplishment through rigorous measurement and reduction of our carbon emissions, along with investments in accredited carbon offsetting programs that match our measured footprint.

***We are carbon neutral in PlanetMark certified emission sources. While this doesn't cover our entire footprint, it reflects our commitment to meaningful action and progress toward a sustainable future.**

Our certified emission sources include Electricity, Transmission and Distribution (T&D) Losses, On-Site Renewables, Natural Gas, Fuel Oil, Diesel, Water, Fleet, Business Travel, Waste, and Paper.

We have offset 3,316 tCO₂e through Verra Solar energy project in India, with our market-based footprint verified at 3,315.6 tCO₂e by Planet Mark, meeting the PAS2060:2014 criteria.

Looking ahead, we have set a target to reduce our operational carbon footprint by 5% from January 1, 2024, to December 31, 2024, amounting to a targeted reduction of 165.8 tCO₂e.

Achieving Carbon Neutral* business operations underscores our unwavering commitment to minimising our environmental impact and advancing sustainability across all our locations worldwide.

Global		22	23
		tCO ₂ e	tCO ₂ e
Scope 1	(Location Based)	403.1	356.8
Scope 2	(Market Based)	1,325.9	1,172
Scope 2		1,325.9	1,172
Scope 3		380.4	513.7



The PlanetMark business certification is an internationally recognised sustainability certification for all organisations acknowledging continuous progress, encouraging action and building an empowered community of like-minded individuals.



Global Reduction Activity

A well recorded sustainability journey is rarely linear, as continuous improvement can be defined by direct reductions in measured emissions, enhancements in data accuracy, or broadening the scope of reporting.

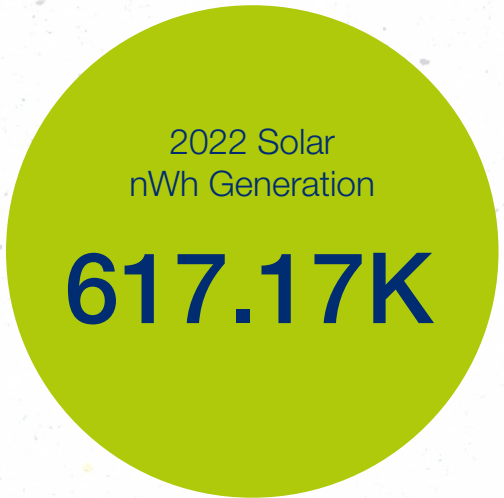
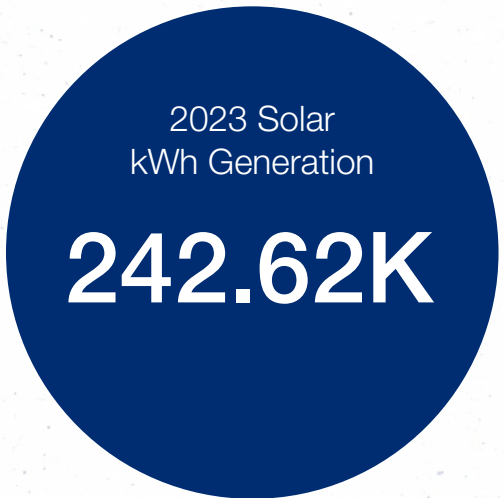
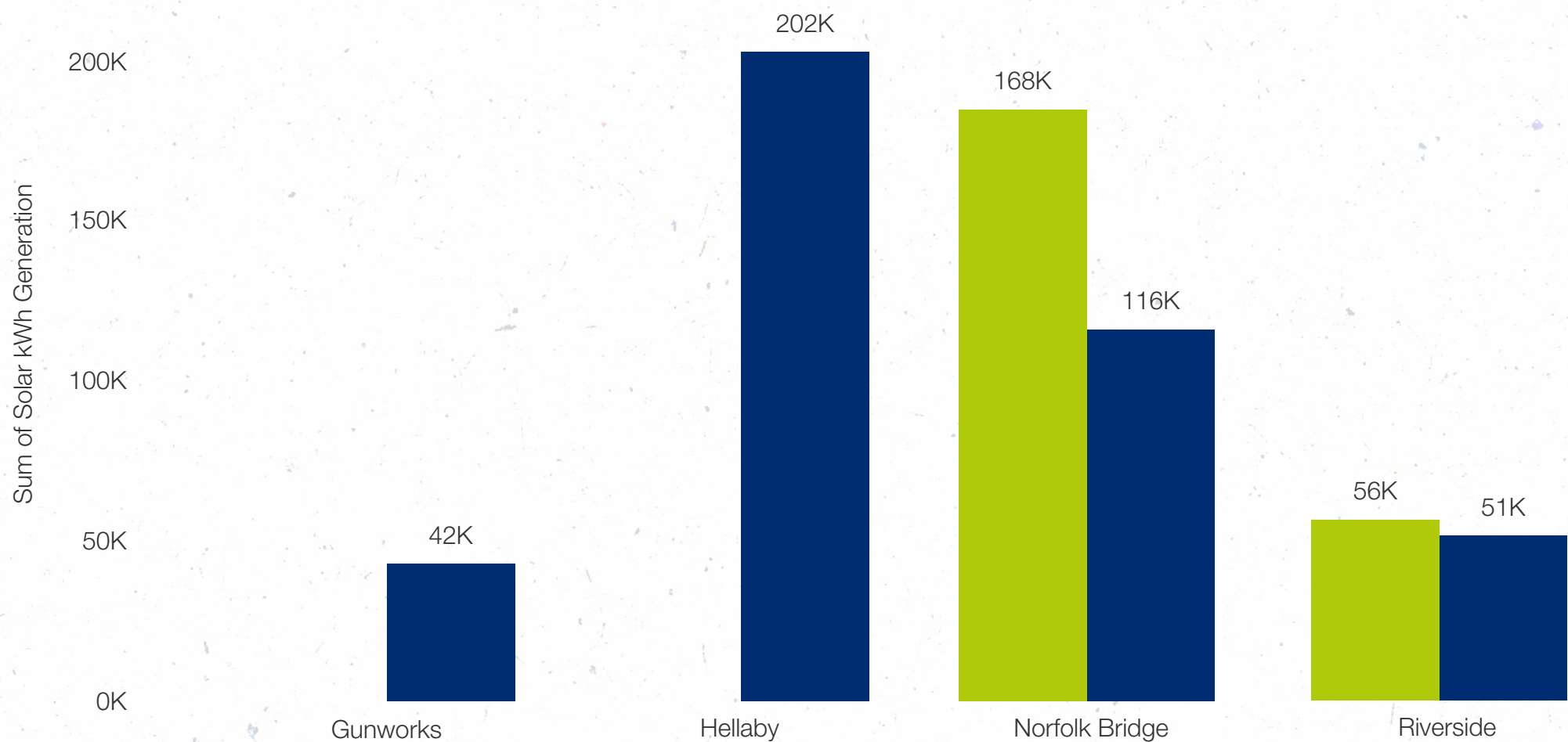
Guided by input from PlanetMark, we are actively enhancing data quality across our organisation. For instance, Gripple India’s fleet and business travel data from 2022 were excluded from annual comparisons due to data comparability issues, influencing the apparent reduction in their measured carbon emissions.

Following the recent release of our 2023 Business Certification report, adjustments were made to our 2022 report, resulting in a slight increase in our measured carbon emissions. These refinements primarily affected Gripple Ltd.’s waste and fleet emissions, as well as Gripple Inc’s air emissions. These updates underscore our commitment to improving data quality, enabling more meaningful comparisons over time.

UK		22	23
		tCO ₂ e	tCO ₂ e
Scope 1		403.1	356.8
Scope 2	(Location Based)	1,075.3	1,029.6
Scope 2	(Market Based)	1,325.9	1,172
Scope 3		380.4	513.7

In the year ending December 2023, Gripple recorded a market-based carbon footprint of 3,315.6 tCO2e, reflecting a slight increase of 0.8% compared to December 2022. Despite this, Gripple successfully maintained certification with Planet Mark, driven by a notable 6.1%

Year 2022 2023



In Q1 2023, Gripple UK invested in solar panel installations at two additional manufacturing sites: Hellaby and Gunworks. This expansion means that all our major production facilities now have on-site self-generation capabilities. Thanks to this initiative, we saw a 154% increase in self-generated energy. This advancement is a crucial step in our decarbonisation journey and supports our long-term sustainability objectives.

Global Reduction Activity

Gripple’s business travel emissions surged by 22.2% compared to the previous reporting period, constituting 60.5% of the total business travel footprint. This increase primarily stemmed from higher emissions associated with air travel, which saw a notable 26.6% year-on-year rise. Interestingly, this occurred despite a reduction in total air miles travelled.

This was partly due to the increase in air emission factors published by DESNZ, driven by reduced load factors resulting from the COVID-19 pandemic. The 2023 DESNZ air emission factors use the 2021 load factors. Load factors for domestic, short-haul and long-haul flights were 65%, 58% and 52% respectively for 2021, whereas in 2019 these were 78%, 85% and 82%, respectively.

The emissions per passenger.km are also impacted by the haul and class of the flight taken. A higher percentage of flights were business and first class in 2023 and 2022, which further contributed to the higher emissions per passenger. Had the same emission factors been applied for 2023 as 2022, there would have been a 7% reduction in air emissions.

Business travel remains a key focus for us across all regions. In 2023, we took measures to update and reinforce our travel policy to encourage responsible travel practices among employees. Additionally, we prioritised enhancing the accuracy and completeness of travel data, demonstrating our commitment to precise emissions tracking and ongoing improvements in sustainability practices.

India	22	23
	tCO ₂ e	tCO ₂ e
Scope 1		30.5
Scope 2 (Location Based)	21.6	21.3
Scope 2 (Market Based)	21.6	21.3
Scope 3	6.3	58

Japan	22	23
	tCO ₂ e	tCO ₂ e
Scope 1	14.3	17.1
Scope 2 (Location Based)	2.4	3.9
Scope 2 (Market Based)	2.4	3.9
Scope 3	2.1	1.7

Europe	22	23
	tCO ₂ e	tCO ₂ e
Scope 1	312.2	432.5
Scope 2 (Location Based)	23.1	23.5
Scope 2 (Market Based)	19.4	19.8
Scope 3	64.8	29.4

Inc	22	23
	tCO ₂ e	tCO ₂ e
Scope 1	96.5	74.6
Scope 2 (Location Based)	251.6	285.4
Scope 2 (Market Based)	233.0	240.9
Scope 3	211.7	227

Canada	22	23
	tCO ₂ e	tCO ₂ e
Scope 1	44.9	45.6
Scope 2 (Location Based)	0.7	0.6
Scope 2 (Market Based)	0.7	0.6
Scope 3	68.6	70.3

Offset Activity

Aligned with our PAS2060:2014 certification, we've taken meaningful steps alongside our partners to secure carbon offsets that strengthen our commitment to the environment.

One of our most impactful efforts is our investment in a transformative solar project in India. This initiative is not just about maintaining our carbon-neutral status—it's about empowering communities through clean, renewable energy.

The project focused on deploying grid-connected renewable solar energy power plants. This investment aligns with our commitment to on-site solar solutions while driving advancements in the broader solar market through innovative product developments.

By streamlining solar cable management and simplifying large-scale installations, these innovations not only reduce our carbon footprint but also contribute to a greener, more sustainable future.



**Uttar Pradesh, Telangana,
Andhra Pradesh, and Gujarat in India**

The primary goal of this project activity is to harness renewable energy sources to generate clean electricity. With a combined capacity of 480 MW, solar power projects will be strategically installed across multiple states in India. This initiative marks the establishment of a new Greenfield facility. The electricity generated by the project will be seamlessly integrated into the Indian electricity grid, thereby displacing an equivalent amount of energy typically derived from fossil fuels in the conventional grid system.

Objective: This project aims to support the implementation and installation of grid-connected renewable solar energy power plants in India, ensuring energy security, diversification of the grid generation mix, and sustainable growth in the electricity generation sector.



Expected emissions reduction:
852,639 tCO² per year



5,000 children benefited
from smart classrooms.



1066 individuals benefited
from the skill development
training program



6000 community members
have benefited by water
filtration plants



733,449 MWh of renewable
electricity supplied to the
Indian grid. 13 villages
installed solar street lights



Prevented the release of
CO² into the atmosphere

Our Products and Systems

In 2022, we took significant steps to measure and assess the sustainability of our products and systems, with a strong focus on reducing carbon emissions. This effort included conducting Life Cycle Assessments (LCAs) with verified Environmental Product Declarations (EPDs) using One Click LCA.

We produced documentation for our building services products, aligning with The Chartered Institution of Building Services Engineers’ (CIBSE) TM65 carbon calculation methodology.

Gripple products and systems are purposefully designed to accelerate the decarbonisation of the built environment, as they have been deliberately engineered to provide a low-carbon alternative to traditional systems. By replacing threaded rod and channel with our wire rope or track-based suspension systems, customers can achieve material weight reductions of up to 97%, significantly lowering the environmental impact of their projects.

We’re pleased to share the latest data that underscores the tangible impact of Gripple systems in action. After reviewing all the construction products sold in the UK this year, we now have an even clearer view of the labour savings, material weight reductions, and embodied carbon cuts that contractors achieved by opting for Gripple products over traditional methods, leading to a positive environmental impact.



3,225,005 KG
EMBODIED CARBON SAVED
EQUIVALENT TO PLANTING
20,489 TREES



1,420,707 KG
MATERIAL WEIGHT REDUCED
EQUIVALENT TO
112 BUSES



260,319
HOURS
SAVED ON-SITE



Community Spirit **UK**

In 2023, we proudly engaged in several community-focused projects across the UK, demonstrating our commitment to making a positive impact:



Whirlow Hall Farm

Located in Sheffield, we facilitated the installation of solar panels and fencing at this local farm, enhancing their sustainability efforts and securing their facilities.



Tak Ponies

A charity with a heartwarming mission to rescue and rehome unwanted and ill ponies. Our team stepped in to install new fencing and repair the stables, and we even helped the ponies move to a fresh new field.



Enable

A UK charity dedicated to supporting adults with various disabilities. We undertook the renovation of a house and the installation of an access path.

Community Spirit **Canada**

The Gripple Canada team embraced the spirit of community and sustainability by participating in two tree-planting events that made a tangible difference:

In May 2023 six members of the team joined the Centennial Park Tree Planting event in Etobicoke, organised by the City of Toronto.

The team planted 17 trees and contributed to clearing the area of invasive plant species, helping to restore the park's natural ecosystem.

Later in the year, in September, members of the team took part in Tree Canada's National Tree Day event at Churchill Meadows Community Centre in Mississauga.

During the event, the team planted 30 trees, enhancing the green spaces and supporting a more sustainable local environment.



Community Spirit Europe

Gripple Europe undertook several impactful sustainability initiatives in 2023, driving positive environmental change

Between June and November 2023, a partnership was established with the Karos application and the municipality of Obernai, making it easier for Gripple employees and the local community to carpool, promoting more sustainable commuting options.

In May 2023, the team launched a “Cycle to Work” challenge, encouraging employees to embrace cycling as a greener alternative to driving.

In September 2023, the team once again participated in the Biobernai trade fair, a key annual event focused on sustainable agriculture and eco-friendly solutions.





Olivia Livesley
Sustainability Manager

“ At Gripple, sustainability is integral to our mission and operations. This report reflects our commitment to reducing environmental impact through tangible steps toward carbon neutrality.

As we navigate the complexities of sustainable business practices, our goal is not only to meet current industry standards but to lead with practices that inspire a broader movement toward environmental responsibility.

This report highlights Gripple’s progress towards carbon neutrality and operational sustainability. Committed to reducing our ecological footprint, we aim to go beyond industry standards and set new benchmarks for environmental responsibility. Here, we outline our current impact, achievements, challenges, and on going initiatives, sharing insights to uphold transparency and inspire collaboration on our journey.

Our commitment to sustainability will extend into 2024, driving continuous enhancement of our data, products, and operations as we advance toward our ambitious net-zero goal for 2030.

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