



Besi Care Ltd

# Carbon Reduction Plan

Supplier Name: Besi Care Ltd  
Publication Date: 30/10/2023  
109 Khepera Business Centre, 9 Orgreave Road, Sheffield, S13 9LQ



<http://besi-care.com/>

## Commitment to Achieving Net Zero

Besi Care Ltd Limited is committed to achieving Net Zero emissions by 2045. This document has been generated using Besi Care Ltd Carbon Reduction Policy.

## Baseline Emissions Footprints

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: 2022

Additional Details relating to the Baseline Emissions calculations.

Our organisation has not previously been in a position to assess or report emissions prior to 2023, so this is our first reporting period and is used as our Baseline.

Baseline year emissions:

Emissions	Total (tCO <sub>2</sub> e)
Scope 1	147.75
Scope 2	77.2
Scope 3 (Included Sources)	Not yet collected. We have no prior scope 3 emissions reporting, but we intend to measure these going forwards as part of our Carbon Reduction Plan, and to detail our emissions for five of the 15 categories as detailed in the 'Technical Standard for Completion of Carbon Reduction Plans'.
Total Emissions	224.95



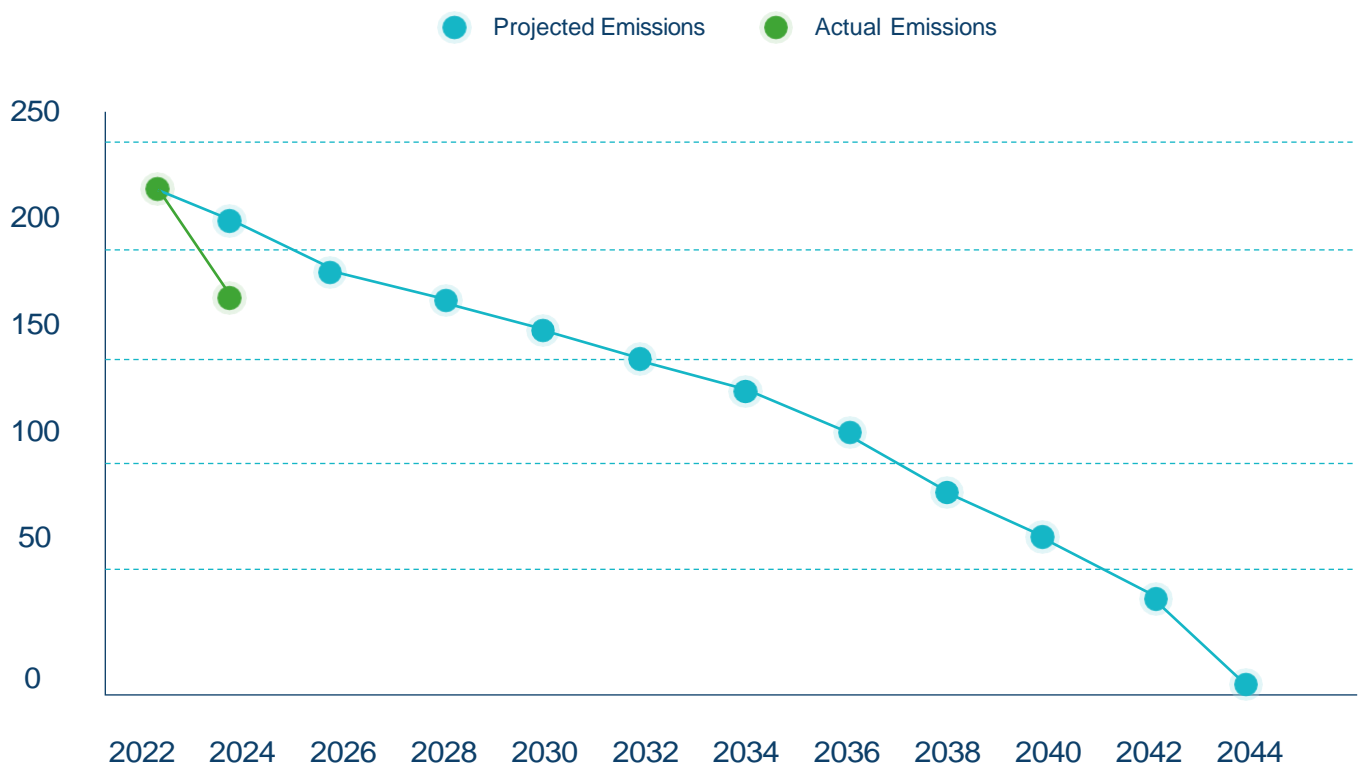
## Current Emissions Reporting

Reporting Year: 2022	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	147.75
Scope 2	77.2
Scope 3 (Included Sources)	Not yet collected. We have no prior scope 3 emissions reporting, but we intend to measure these going forwards as part of our Carbon Reduction Plan, and to detail our emissions for five of the 15 categories as detailed in the 'Technical Standard for Completion of Carbon Reduction Plans'.
Total Emissions	224.95

## Emissions Reduction Targets

Besi Care Ltd has a Carbon reduction Plan in place, which was signed off by the Board of Directors in June 2023.

**Projected V.s Actual Scope 1 & 2 Emissions**



## Completed Carbon Reduction Initiatives

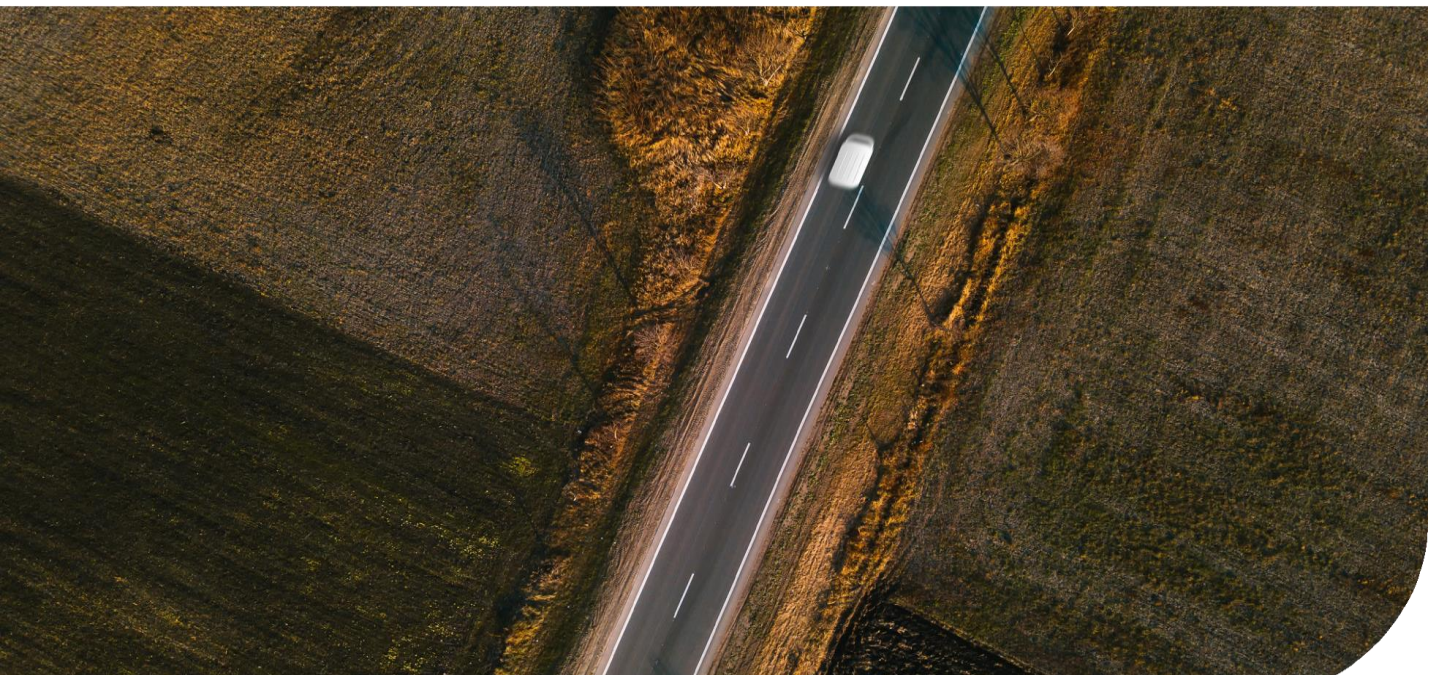
The following environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equates to 32 tCO<sub>2</sub>e, and the measures will be in effect when performing the contract.

- 1. Reducing staff and client travel.** Throughout the pandemic Besi Care Ltd have been continuously active in supporting the NHS with moving vulnerable patients out of Hospital. This has significantly reduced the need for patients and their families to travel to Hospital sites. In addition, the development of a secure video-conferencing facility without having to conduct physical visits has meant that we have reduced the need for carers to travel.
- 2. Switch to LED lighting.** We have switched all our internal lighting to low voltage LEDs. This has increased the lifespan of the bulbs by around 500%.
- 3. Installation of solar panels.** We have installed and continue to install solar panels on all of our warehouses. This work commenced in April 2023 and will be completed in July 2023. We have 4 projects each of which is the equivalent of 80 to 87 kWp Solar PV, which should allow us to reduce our CO<sub>2</sub> emissions by 16,000kg/year per project giving a total saving of up to 64,000kg/year for the foreseeable future. Please see extract from one of our projects below:

Production Forecast	
PV Generator Output	87.48 kWp
Spec. Annual Yield	911.27 kWh/kWp
Performance Ratio (PR)	93.67 %
Yield Reduction due to Shading	0.0 %/Year
PV Generator Energy (AC grid)	79,765 kWh/Year
Own Consumption	34,956 kWh/Year
Down-regulation at Feed-in Point	0 kWh/Year
Grid Feed-in	44,810 kWh/Year
Own Power Consumption	43.8 %
CO <sub>2</sub> Emissions avoided.	16,183 kg/Year
Level of Self-sufficiency	36.4 %



4. **Move to electric vehicles.** A majority of our management vehicles are now electric powered and as the leases on older vehicles come to an end, we will renew these with electric vehicles wherever practical.
5. **Re-use and recycle.** We already have a policy of re-use and recycle within our business operations. Currently 90% of the cardboard packaging that we use is manufactured using recycled material. Last year we saved the equivalent of 66 trees. Besi Care Ltd currently recycles their waste through Veolia waste management, and recycled 16,000KG worth of material in the six months preceding March 2023. 0KG of waste went to landfill from September 2022 to March 2023
6. **Commitment to the United Nations Global Compact (action on human rights and climate change).** In March 2023 as a company, we committed to the United Nations aims for carbon reduction; This included adhering to the Ten Principles of the United Nations Global Compact on human rights, labor, environment, and anti-corruption. With this, we express our commitment to making the UN Global Compact and its principles part of the strategy of our company.
7. **Recruitment of a dedicated Social Values Manager.** In April 2023, Besi Care Ltd appointed a dedicated Social Values Manager to bring focus and action to our initiatives and ambitions, and to write and manage our Carbon Reduction Plan.
8. **Route Optimization.** Due to route optimization and increased load, we aim to reduce carbon emissions. We understand that this will result in a lower CO<sub>2</sub> profile for each care delivery conducted. We aim to reduce it from 5.88kgCO<sub>2</sub> per drop to 1.75kgCO<sub>2</sub> per drop. This is a reduction of 70.2%



By April 2024, we intend for all Besi Care Ltd employees using their own vehicles to provide Besi Care Ltd services to report the emissions profile of their cars, along with the number of Besi Care Ltd used for business per year **[Commitment 1]**

By September 2023, a new supplier audit will be implemented which establishes some of the E, D, & I metrics within said suppliers, and their Scope 1 and 2 emissions **[Commitment 2]**

Any future changes to the facilities which we rent; lighting will only use LEDs **[Commitment 3]**

All Besi Care Ltd rooms will be fitted with motion sensors for lighting, so that any unoccupied rooms are not lit unnecessarily. This will be implemented by April 2024 **[Commitment 4]**

All energy consumption for Besi Care Ltd operations will be provided by non-carbon sources after August 2024 **[Commitment 5]**

Besi Care Ltd will introduce an incentive scheme to get employees to carpool to work. Any carpoolers will be entered into a chance to win a voucher once per month **[Commitment 6]**

Besi Care Ltd will encourage employees to pursue active transportation for their commute through the provision of bike locks and bike storage (the locks will be kept on Besi Care Ltd site and be accessed through four-digit codes) **[Commitment 7]**

Besi Care Ltd are committed to zero-to-landfill **[Commitment 8]**



By August 2023, Besi Care Ltd will introduce composting bins on site for employees to dispose of their food and drink waste in a sustainable manner **[Commitment 10]**

Besi Care Ltd commit to continue to use fully recycled paper for any necessary use of paper, and to streamline their processes elsewhere to minimise the required use **[Commitment 11]**

Besi Care Ltd are committing to net zero Scope 1 and 2 emissions by 2045.  
**[Commitment 12]**

Besi Care Ltd commit to reducing their water usage by 30% across all facilities by 2030.  
**[Commitment 13]**

We project that carbon emissions will decrease over the next five years to 177.71 tCO<sub>2</sub>e by 2028. This is a reduction of 21% from our 2022 baseline.

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with UK Guidelines 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 reporting<sup>2</sup>.

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) Standard<sup>3</sup>.

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

