

Carbon Reduction Strategy TSC Life

Baseline Carbon Footprint

The greenhouse gas (GHG) emissions over which TSC Life exercises operational control are summarized in Table 1 and have been assessed in accordance with the GHG Protocol. Direct emissions (Scope 1) and energy-related indirect emissions (Scope 2) contribute a minor share of total emissions. Scope 2 emissions are limited to electricity consumption; there are no emissions from steam, heat, or cooling. Approximately 98% of total emissions result from Scope 3 activities, highlighting the importance of value chain emissions. Purchased Goods and Services represents the largest contributor.

The year 2024 has been selected as the baseline year, which reflects the most accurate and comprehensive data currently available. Approximately 80% of the emissions data was derived using spend-based methods, assessed by independent climate experts using GHG accounting tools. The remaining 20% was based on activity data, covering categories such as the use of sold products, end-of-life treatment of sold products, waste, business travel, and employee commuting. Life Cycle Assessment (LCA) data from two representative products was integrated to improve data accuracy across lifecycle stages. In future assessments, TSC Life aims to increase the share of activity-based data, particularly in the most impactful categories.

Table 1: Greenhouse gas (GHG) emissions in tons CO₂-equivalent (t CO₂e) in 2024, the baseline year

GHG emissions	2024
Scope 1 (t CO₂e)	
Gross Scope 1 emissions	140
Scope 2 (t CO₂e)	
Gross Scope 2 Location-based emissions	555
Gross Scope 2 Market-based emissions	19
Significant Scope 3 (t CO₂e)	
Category 1 – Purchased goods and Services	26.853
Category 11 – Use of Sold Products	3.445
Category 12 – End-of-Life Treatment of Sold Products	2.145
Total GHG emissions (t CO₂e)	
Total Location-based emissions	35.773
Total Market-based emissions	35.107
GHG intensity Location-based emissions	
GHG intensity, net revenue (kg CO ₂ / EUR)	0,54
GHG intensity, sold products (kg CO ₂ / PC)	3,28

Carbon Reduction Targets

In partnership with its customers and suppliers, TSC Life is committed to reducing its carbon footprint and contributing to a more sustainable and resilient healthcare industry. Climate change is one of the company's key sustainability focus areas, and the Carbon Reduction Strategy forms an essential part of the overall ESG program. To support this ambition, TSC Life has established carbon reduction targets for 2030: 10% reduction in Scope 1 and Scope 2 emissions, and a 10% reduction in Scope 3 emissions. These targets are based on the results of the GHG emissions assessment.

Carbon Reduction Plan

The carbon reduction plan identifies key decarbonization levers to achieve these targets, combining product-related and non-product-related actions. Product-related actions are also essential to the portfolio strategy of TSC Life. The carbon reduction actions are described below.

Product-related actions

1. Material reduction of products and packaging

TSC Life is optimizing the design of its products and packaging to minimize material usage. This includes reducing product weight and packaging volume, while maintaining safety, functionality, and sterility requirements. Lighter and more compact designs not only lower material consumption but also reduce emissions associated with transport and waste disposal.

2. Innovation and development of low-carbon alternatives

The company is actively exploring low-carbon material alternatives to significantly reduce the embodied carbon of the product portfolio. Collaboration with healthcare providers and clinical staff provides valuable feedback on product use and waste separation practices, ensuring that alternatives meet both environmental and clinical performance standards.

3. Enhanced energy efficiency during product use

Energy efficiency improvements are prioritized for electronic devices, targeting a minimum 5% increase in energy efficiency across the product range through design optimizations and technology upgrades. In addition, the company collaborates with healthcare providers to support energy-efficient use during the operational phase, further reducing Scope 3 emissions in clinical environments.

4. Improved product recyclability

TSC Life is working towards a framework to assess and improve product recyclability across its portfolio. Clear end-of-life recycling procedures will be established to support proper disposal, and new product development will prioritize recyclability. These measures will facilitate more circular material flows and contribute to reducing environmental impact at the end of the product's lifecycle.

*Non-product related actions***1. Supplier engagement and value chain collaboration**

There is a pressing need for industry and businesses to manage and reduce carbon emissions across the entire value chain, including suppliers. ESG criteria are therefore integrated into supplier selection and suppliers are actively engaged to support their decarbonization efforts. Continued collaboration across the value chain will be essential in addressing Scope 3 emissions.

2. Responsible waste management at manufacturing Sites

Responsible waste management remains a key focus at TSC Life's manufacturing sites. The company is enhancing circular practices, reducing production scrap, and closely monitoring waste streams. Waste management at the manufacturing sites is governed by Environmental Management Systems certified under ISO 14001.

3. Transition to renewable energy

TSC Life is committed to transitioning to renewable energy across all sites. Fossil-based electricity will be phased out through direct purchase agreements for renewable electricity, supporting achievement of Scope 1 and 2 reduction targets.

4. Business travel emission reductions

The company is implementing measures to reduce travel-related emissions. A business travel policy is in place and is reviewed to further limit air travel, promote greater use of train travel where feasible, and introduce a stricter travel approval process.

Sign Off

The Carbon Reduction Strategy has been reviewed and signed off by the Board of Directors (or equivalent management body).



Ewoud Welten (Jun 25, 2025 18:34 GMT+2)






Carbon reduction strategy TSC Life 2025-2030

Final Audit Report

2025-06-25

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