



A Solenis Company

Carbon Reduction Plan

Supplier name: Diversey - UK

Publication date: January 2024

Commitment to achieving Net Zero

Diversey, A Solenis Company is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

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.

Due to merger with global company Solenis (Group) we will need to re-baseline so 2024 will be our new Base Reporting Year, with revised data and targets for each scope. Our new 'merged entity' is partnering with sustainability software specialists Sphera (US) to develop our detailed GHG emissions inventory. Scope 3 supply chain emissions will be based on mass/weight/volume rather than using EEIO-LCA expenditure based calculations. This approach is considered more effective as currency and inflation-related adjustments won't be necessary.

To ensure that we adopt an effective, clear climate strategy moving forward we are determining our Absolute Contraction science-based target (SBT) per scope. This will enable us to identify SBTi aligned pathways for emissions reduction in each scope to set near term, interim and long-term milestones towards 2050 as the new company Solenis. The Solenis CRP will be published on our website and updated annually to share with our stakeholders, especially our customers and suppliers.

For the time being, the emissions details provided below are for the UK only, as Diversey in our current form. Our UK Scope 1 and 2 emissions are calculated consistent with the GHG Protocol (GHGP) and presented as location-based grid emissions data in compliance with GHGP and UK government guidance.

Our baseline year UK Scope 3 emissions have been estimated at global group level for Diversey using the EEIO-LCA spend-based methodology. The UK business Scope 3 emissions have been derived from this data based on the size of the UK business compared to the global Diversey Scope 3 emissions.

Baseline year emissions (2022):	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	4514
Scope 2	403
Scope 3 (Included Sources) Total = 23,230 Category 4: Upstream transportation and distribution – 18,877 Category 5: Waste generated in operations - 109 Category 6: Business travel - 1,327 Category 7: Employee commuting - 820 ----- Category 9: Downstream transportation and distribution - 2097 Scope 3 calculated on a spend estimate and proportioned from our Global Scope 3 data.	
Total Emissions	4917 (scope 1&2) + 23,230 (scope 3) = 28,147 (categories, 4,5,6, 7 & 9 only)

Current Emissions Reporting

Reporting Year: 2022 (Also baseline)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	4514
Scope 2	403
Scope 3 (Included Sources) Total = 23,230	Category 4: Upstream transportation and distribution – 18,877 Category 5: Waste generated in operations - 109 Category 6: Business travel - 1,327 Category 7: Employee commuting - 820 -----

	<p>Category 9: Downstream transportation and distribution - 2097</p> <p>Scope 3 calculated on a spend estimate and proportioned from our Global Scope 3 data.</p>
Total Emissions	4,917 (scope 1&2) + 23,230 (scope 3) = 29,147 (categories, 4,5,6, 7 & 9 only)

Emissions reduction targets

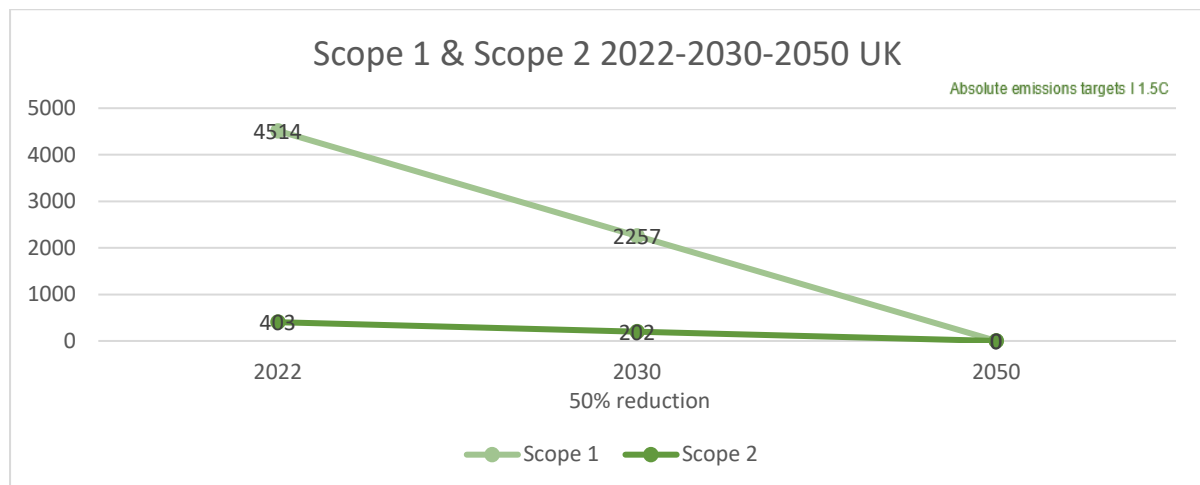
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets. We project that carbon emissions will decrease to 2,459 tCO₂e (Scope 1, 2) by 2030. This is a reduction of 50% and should be achieved by focusing on the activities listed in this document. These targets may change as new projects are implemented. In future, we aim to work with our suppliers to tackle our scope 3 emissions.

Scope 3: We are working hard to get full LCA on all our materials. As a manufacturer this is a vast task. We will be working closely with Sphera globally to map all Scope 3 emissions based on mass, rather than sales. 2024 will give more clarity as the partnership progresses.

A formal commitment to SBTi has been made in November 2023 for the Diversey business. This will be reconfirmed under the Solenis Company in 2024 with the aim of getting all evidence in place and validated by the SBTi by the end of 2025.

Progress against these targets can be seen in the graph below:

	Base year (2022)	Same as base year	Target year (2030)	% Reduction to date	% FLA Adjustment	% SBT reduction
Scope 1 emissions (tCO ₂ e)	4514	.....	2257	.....	Not required	50%
Scope 2 emissions (tCO ₂ e)	403	.....	202	.....	Not required	50%
Scope 1 + 2 emissions (tCO ₂ e)	4917	.....	2459	.....	.....	50%



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes

cannot be calculated due to the acquisitions of the UKI business throughout 2021 and 2022, and baseline of Scope 3 being unavailable for 2021.

Fleet & Travel

- 80% company cars converted to hybrid or electrical. The remaining 20% will be phased out by 2025.
- 4 EV charging points installed at depots within the UK. A further 8 are planned in the next few months.
- Nominated delivery days. Designed for fleet optimisation and optimised vehicle load fill to drive efficiency and minimise carbon emissions.
- Digital tool roll out. Online learning, video training, remote online guidance on repairs. This allows for reduced site visits by our sales and engineering teams enabling them to focus on longer planned and coordinated visits to our customers.

Offices, Warehouses & Factories

- LED lighting with LED auto switch off (PIR sensors, where appropriate). Savings generated calculated at approximately 5819.174kg CO₂e.
- Desk waste bins removed and replaced with 'waste stations'. Contract with Veolia ensure recycling or waste sent to Energy Recovery Centres.
- A1 Waste Contractors partnership at UK manufacturing plant. 2022 - Hazardous waste re-used off site has increased by 224%, recycling is up by 21%. 2022 saw 0 to landfill. All non-hazardous waste is either recycled or sent for incineration with energy recovery with 0% going to landfill.
- Wood chip heating installed in our Munchwilen factory for TASKI eliminating 200,000 litres of fuel and reducing greenhouse gas emissions eq. 600 metric tonnes of carbon dioxide. TASKI manufacturing plant supplying directly to the UKI.

Product

- TASKI Ultimaxx launch - Li-ion battery drive to deliver more battery autonomy and 4x longer life, water saving brushes, accurate water flow to save wastage, reduced energy and shorter charging cycles. Recycled materials used where possible and designed for longevity.
- Intelliflow. Patented software for TASKI that can help reduce water consumption by 76%, chemical consumption by 75%.
- Intellidose. Dosing control system for TASKI that can reduce chemical consumption by 75%. TASKI patented whisper vacuum motor technology that can reduce SO₂ emissions by 100kg per year.
- Twister floor pads. Drive to switch customers from traditional floor pads to diamond Twister pads made from recycled material which help to reduce chemical usage (can be used with water only) last longer, reducing transportation and waste.
- 78.3% of core packaging now contributes positively to circular economy (PCR plastic, recyclable plastic, recycled and recyclable cardboard). Target 100% for 2030.
- SafePack pouch launch. Move to unique mono layer polyethylene pouch designed to lower carbon footprint from 24.7 to 0.11 CO₂ equivalent globally.
- Active projects in lightweighting plastic across formats 1L and 750ml. Approximate savings annually of 890T.

- All bucket products moved to minimum 70% PCR plastic. Large range of products in 500ml moved to 100% PCR plastic. 200L drums moved to minimum 30% PCR plastic.
- Calculator hub. Provides accurate and tailored assessment for each product or service. Eco packaging calculator assess Cradle-to-Gate CO2 footprint of packaging materials considering dilutions to give an informed decision on the carbon footprint of the customers product range.
- All SURE range C2C certified. And EU eco-labelled where possible.

Social Value

- Soap for Hope™ - The Soap For Hope™ program, launched by Diversey and its partner hotels, collect used guests' soaps, reprocess them and distribute to poor communities
- Linens for Life - With the Linens For Life™ program, families earn a small livelihood by converting linens discarded by hotels into new and useful items for resale. At the same time, hotels can recycle their unwanted linens in a way that makes a real difference.
- CoffeeBriques – Coffeebriques repurposes used coffee grounds into coffee-charcoal briques, providing a cheap source of cooking fuel, and a means of livelihood
- PlasticShreds – Plastics are shredded and used as aggregates by mixing it with bitumen or cement to make roads or smooth floor surfaces(badminton courts). PlasticsShreds meet many SDG goals
- Localised projects – Charity fund raiser examples; Coffee mornings, company charity football game, Hospital present collection, Breast Cancer awareness week. World hand hygiene day awareness day
- Stock donations. Over 29 pallets of over stocks were donated to 535 charitable organisations to help communities going through the cost of living crisis in the UK. A further 27,000 cases were donated to charities, schools, hospices and business across the UK.

ESG, Certification, Memberships & Policies

- Launch of Protect. Care. Sustain. Sustainability strategy setting ambitious targets to 2050 globally. To be replaced by new targets with Sphera 2024.
- Management systems and certifications. ISO 9001, 14001, 22716, 13485 and 45001.
- Memberships. Sedex, CleanRight EU, AISE.
- Supplier Code of Conduct, Global Standards of Business Conduct, Sustainability Report 2021, Health and Safety Policy.
- Increased our product certifications and approvals. Ecolabel, Cradle to Cradle, Halal, Nordic Ecolabel, CE marketing. Over 100 SKU's available in the UK in Ecolabel.
- Europe (including UK) awarded with Ecovadis Gold.
- 100% of our innovation projects have sustainability scorecards that evaluate their environmental attributes. 89% are delivering sustainability benefits over their replacements.
- Our philosophy is to continuously drive with Super Concentrates across our customer base to ensure reduction in chemical miles and packaging waste promoting refilling at site level and reducing everyone's carbon footprint.

Future Carbon Reduction Projects

Fleet & Travel

- Driver safety initiative for all vehicles with the aim to reduce emissions and fuel. Targets will be set at 450 tonnes of CO2e savings per annum.
- Internal electric car matrix (selection guide) to be launched Q4 2023 which will only hold Electric or hybrid cars, dependent on mileage per day. Our aim is to move 50% of vehicles to fully electric, dependent on job role.
- Electric vans. The UK infrastructure is not currently geared up to support full EV rollout but focus will be on our engineering fleet, where possible. 2023 has seen a trial with a further trial of 2 vehicles for evaluation. The aim, once viable, is to roll out EV's where possible across the full fleet in the coming years.
- 33 new heavy goods vehicles have been purchased for our direct distribution fleet that conform to the new euro emissions standards and direct vision standards. Delivery of these vehicles are expected from April 2024 onwards. This will equate to 73% of our goods vehicles.
- Feasibility study underway to install further EV charging points at depot level.

Offices, warehouses & factories

- Solar panels are being explored for 2 depots for installation potentially in 2024.
- Contract signed in 2023 to move to 100% to a renewable energy supplier providing green energy to the UK estate. Grid energy calculated in Scope 2.
- Cycle to work scheme launched 2023.
- AC systems are maintained twice yearly and comply with British Standards. One site is already water based system. Discussions with a national AC contract underway where environmental considerations will be built into the contract.

Product

- Cradle to grave carbon lifecycle analysis with external partners based on ISO 14067 for selected TASKI machines.
- Sustainably sourced bamboo washable and disposable natural fibre textiles as alternative to plastics-based microfibre.
- Innovation in cleaning tools created from recycled plastics including local project to explore partnering with a recycling company for best environmental end-of-life treatment.
- Packaging project in place to lightweight plastic packaging, move to % content of PCR plastic or move to new innovative packaging reducing plastic packaging.
- Clax Polar. Innovative fabric cleaner that can be used on a cold wash for industrial fabric machine cleaning.
- Full LCA tool. In partnership with Sphera we will be launching a new tool to give full traceability of our chemicals within Diversey.

For more information you will find our 2023 sustainability report [here](#)

Solenis Global (including Diversey) are partnering with Sphera to develop and deliver a comprehensive Global GHG emissions inventory, based on mass rather than spend, which will be fundamental for setting the science based targets to be verified by SBTi and a decarbonisation roadmap for all sources of emissions across scope 1, 2 and 3. This plan will include short term, interim and long-term milestones towards 2050, with recommendations for management and operational changes in line with circular economy best practice.

Declaration and Sign Off

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

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Protocol corporate standard¹. Our CRP uses the appropriate UK Government emissions 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:



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Date:19/01/2024.....

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>