

Carbon Reduction Plan

Supplier name: Fortem Solutions Limited

Publication date: 28/06/2024

Commitment to achieving Net Zero

Fortem Solutions Limited (Fortem) is committed to achieving Net Zero by 2050.

In addition, the company has made further commitments to go beyond this:

- Fortem is aiming to be a zero-carbon company without offsetting by 2030
- Fortem will achieve net zero carbon across its tier 1 supply chain by 2040

Fortem has been carbon neutral in its own operations since 2022. Fortem's operations cover all Scope 1 and Scope 2 sources plus selected Scope 3 sources where the company has the greatest level of control and can report with confidence. This means that the sum of all of Fortem's operational greenhouse gas emissions (CO₂e) will be offset using carbon credits.

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.	
Fortem achieved a 16.5% reduction in carbon emissions for the period 2019 – 2021. 2022 has been selected as the baseline year as this aligns with the launch of Fortem's 2030 sustainability strategy and is the first year of calculating the various Scope 3 categories of emissions.	
Baseline year emissions: 2022	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	2,925
Scope 2	52 – Market-based
Scope 3 (Included Sources)	73,789 - Purchased goods and services (including emissions from upstream transportation and distribution) 5 – Transmission and distribution losses 278 - Employee commuting and Business travel
Total Emissions	77,049

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3,597
Scope 2	50 – Market-based
Scope 3 (Included Sources)	95,599 - Purchased goods and services (including emissions from upstream transportation and distribution) 5 - Transmission and distribution losses 347 - Employee commuting and Business travel
Total Emissions	99,598

For more information, see Appendix A.

Emissions Reduction Targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:

- Transition 60% of our fleet by to zero-emission vehicles by 2027 and, the remaining vehicles by 2030 where the necessary infrastructure permits
- Sites, depots and offices to be fossil fuel free by 2030
- Procure only certified natural renewable energy

Until emissions are reduced to zero, Fortem will continue to offset its unavoidable emissions. These are offset by voluntarily investing in Gold Standard or equivalent projects overseas which reduce emissions by the same amount. All of the projects undergo a rigorous assessment to ensure that they achieve measurable and permanent reductions in emissions.

Carbon Reduction Projects

Fortem's 2030 sustainability strategy was launched 2023 stating Fortem's ambition to become a zero-carbon company without any offsetting by 2030. Further information on both the strategy and achievements will be published on Fortem's website. The following environmental management measures and projects have been completed or implemented.

These reduction measures will be in place when performing the contract.

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented:

Initiative	
Governance	
<i>Carbon Management</i>	Certification to ISO 14001:2015 (recertified to 2015 standard in 2016)
	Certification to the Carbon Trust Standard in 2019, achieving best in sector performance
<i>External assurance</i>	Fortem Solutions Limited carbon emissions are independently verified by Bureau Veritas
Transport	
<i>Commercial Fleet</i>	Diesel van fleet vehicles fitted with euro 6.2 engines
	Telematics tracking installed to promote fuel efficient driver behaviour
	Planners use estimated travel time information to schedule the most efficient sequence of properties for operatives
	Trialling electric vans
<i>Company and Grey Fleet</i>	Salary sacrifice scheme to support people to get low-carbon lease cars. The list of available vehicles is restricted by a carbon emissions cap and electric vehicles are incentivised.
	Green bonus payment to increase incentive for zero-emission vehicles
	Pay at the Approved Mileage Allowance Payment (AMAP) rate for diesel and petrol and above AMAP rate for EVs
	New Electric Vehicle Charge Point claim to enable employees to claim for procurement and installation of EV charge points
<i>Other</i>	Public transport commuting reimbursed at the same rate as commuting by car
	Generous car share reimbursement
	Bicycle mileage reimbursement
Energy use	
<i>Electricity</i>	Procurement of 100% natural renewable electricity
Operations	
<i>Remote diagnosis</i>	Remote surveying and assistance to accurately diagnose issues and programme tasks without the need for in-person visits, reducing associated transport emissions
<i>Gaining access</i>	Customer sent SMS and email reminders of appointments ahead of time and provided with access to self-service portals and On My Way tracking, reducing transport emissions from wasted journeys
<i>Improving first time fix rates</i>	Multi-skilled operatives deployed to reduce transport emissions from repeat visits
	Operative's vehicles stocked with most commonly used materials to reduce frequency of visits to suppliers and associated transport emissions
<i>Hybrid working</i>	Upgrade of IT to support widespread video conferencing, to reduce employee commuting and business travel emissions
<i>Digital cleansing</i>	Reducing storage and processing requirements by removing duplicate files and moving to cloud-based solutions, reducing energy demand from servers

Future Carbon Reduction initiatives

Fortem maintains a forward plan of carbon emissions reduction projects and interventions, which are reviewed on an annual basis. These include:

- Energy procurement
 - An ongoing commitment to procuring 100% natural renewable electricity and seeking greener electricity suppliers who can demonstrate additionality in their supply.
- Transport
 - Transition to a zero-emission fleet
 - Installation of electric vehicle charging points at suitable offices and construction sites
- Construction sites
 - Focus on the elimination of diesel in favour of natural renewable electricity of alternative fuels such as HVO
 - Trial fuel efficient plant and machinery such as hybrid generators and low energy site welfare

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 standard¹ 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:



Date:

09/07/24

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>

Appendices

Appendix A

Fortem Emissions breakdown

Baseline year: 2022

Source	Emissions (tCO ₂ e)	Emissions by scope (tCO ₂ e)	Emissions by footprint (tCO ₂ e)
Scope 1: Site & office gas, site diesel	66	Total Scope 1 & 2: 2,977	Operational emissions: 3,255
Scope 1: Business and commute travel from company cars	2,859		
Scope 2: Emissions from purchased electricity ⁴	52		
Scope 3: Business and commute travel from grey fleet	273	Total Scope 3: 73,799	Supply chain emissions: 73,789
Scope 3: Employee train travel	5		
Scope 3: Emissions from purchased goods and services ⁵	73,789		
Scope 3: Waste generated in operations (not including wastewater)	N/A ⁶		
Scope 3: T&D losses ⁷	5		
TOTAL EMISSIONS			77,049

Reporting year: 2023

Source	Emissions (tCO ₂ e)	Emissions by scope (tCO ₂ e)	Emissions by footprint (tCO ₂ e)
Scope 1: Site & office gas, site diesel	90	Total Scope 1 & 2: 3,647	Operational emissions: 3,994
Scope 1: Business and commute travel from company cars	3,507		
Scope 2: Emissions from purchased electricity ⁴	50		
Scope 3: Business travel (grey fleet and train travel)	270	Total Scope 3: 95,951	Supply chain emissions: 95,599
Scope 3: Employee commuting (grey fleet and train travel)	77		
Scope 3: Emissions from purchased goods and services ⁵	95,599		
Scope 3: Waste generated in operations (not including wastewater)	N/A ⁶		
Scope 3: T&D losses ⁷	5		
TOTAL EMISSIONS			99,598

⁴ Includes energy directly paid for by Fortem and emissions from electricity use the market-based methodology to convert kWh to carbon

⁵ Emissions from upstream transportation and distribution are included within this figure

⁶ Emissions from waste generated in operations not available due to unreliable data, in 2024 Fortem implemented SmartWaste to accurately capture this data

⁷ This includes T&D losses for electricity from the charging of electric vehicles