



Carbon Reduction Plan

Date of issue	June 2023
Version	V1

Carbon Reduction Plan

Declaration of Participation

Our company recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.

As a signatory member of the Network Net Zero Community we commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC i.e. to achieve Net Zero no later than 2050 and target a 50% reduction in emissions by 2030.
2. To set realistic short- and long-term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business regularly and for our performance to be part of the Community's annual reporting back to the UNFCCC.

We acknowledge that our commitment will be reported on the Network Net Zero website.

Motion Control Products Ltd made its pledge to the Race to Zero via the SME Climate. The record of the pledge can be found at <https://smeclimatehub.org/committed-businesses>

	Year	Potential Year (if ahead of target)
Pledge to Net Zero	2050	
50% Emissions Reduction	2030	

Short Term Targets – 12 months (Reviewed annually)

Renewable Energy Procurement – Procurement of a 100 % renewable electricity tariff for whole portfolio.
Align supplies into one group.

- Green Gas Procurement – Explore Green gas contract options.
- Installation of energy efficient measures such as SMART thermostats at site.
- Begin data collection process of waste within operation
- Begin to collect data on water consumption
- Begin to collect data on paper usage within the operation
- Create survey to begin recording employee commuting data.

Medium Term Targets within the next 36 months

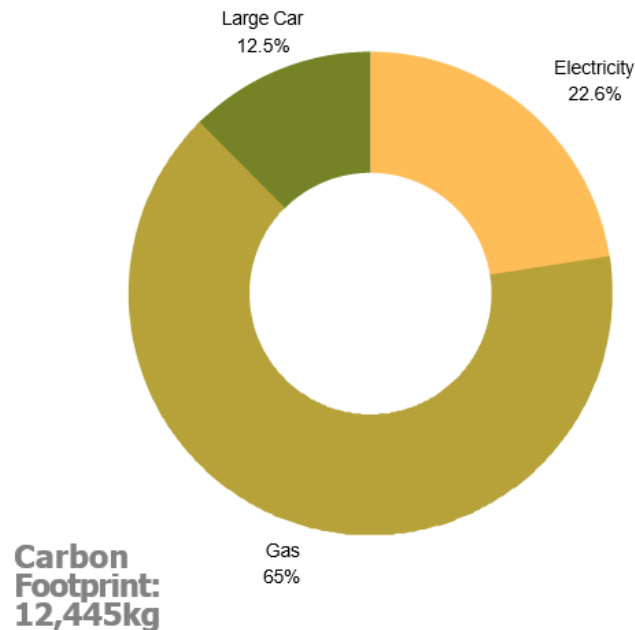
- Engage further with the supply chain regarding scope 3 emissions and look to source alternative suppliers which are carbon neutral where possible.
- Once waste data collected. Identify any waste going to landfill and look to switch to recycling.
- Once paper use is calculated, look at opportunities to reduce paper such as digitalising processes.
- Create employee incentives for green travel and zero carbon miles e.g. walk to workdays.

Long Term Targets by 2050 at latest

Use high quality and verified offsetting schemes or carbon removal technologies to eradicate residual emissions.

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CARBON FOOTPRINT AUGUST 21- JULY 22



Emission Reduction

Motion Control Products recorded a small amount of energy consumption in the benchmark period and has two suppliers. On review of the gas invoice, the fuel mix disclosure states its 75% renewables / 25% Nuclear so therefore is deemed zero carbon. The smaller supply recorded a consumption of 8589kWh. On the provided invoice there was not a fuel mix disclosure and therefore is deemed as standard brown tariff. This means that there are scope 2 emissions recorded from this supply. Motion Control Products will look to review the current energy procurement process and look to procure 100% renewable or zero carbon tariff for both supplies at point of renewal. As a result the organisation could secure a further carbon saving of 1,823.9kg.

There would still be some emissions generated from the organisation's electricity consumptions and this is due to transmission and distribution losses. This is the electricity lost between grid to supply point. In order to reduce these emissions, the shall review and try to reduce consumption from the grid.

A review of the electricity bills revealed that the meter installed on sites are non-half hourly. As a result of this, Motion Control Products will look to implement monthly meter reading recordings to provide a more detailed review of the energy consumption across both supplies. The company could look to engage with the current suppliers and install SMART meters which will able to record energy consumption automatically.

Motion Control Products will look at energy-saving alternatives like insulation, SMART thermostats, LED lighting, and others.

The carbon footprint of the company is significantly influenced by how our employees behave. The employees will continue to be aware of how they operate if the company's sustainability goals are consistently communicated to them. Motion Control Products will look at creating a sustainability

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champion or green team which will have like-minded individuals contributing to the company's overall sustainability goals and will help uncover working habits that could be made more energy efficient.

Motion Control Products will look at sustainable technology like solar PV and battery storage in the long run once these things are more efficient than current standards and will review this annually. As the company uses relatively little energy, a modest system would be sufficient to significantly reduce emissions. There can be several obstacles which may hinder a PV installation such as DNO approval, roof quality etc

Business Travel

The company recorded a total mileage 3,914 in the benchmark period. This was generated from the company's car mileage.

Motion Control Products will take into consideration the following in relation to business travel: -

- Switch to electric or hybrid vehicles: One of the most effective ways to reduce carbon emissions from company cars is to switch to electric or hybrid vehicles. Electric cars produce zero emissions, while hybrid cars emit significantly less than traditional petrol or diesel vehicles. EV are still expensive and will require the ended for on site charging which will increase energy consumption.
- Encourage eco-friendly driving habits: Encouraging eco-friendly driving habits can also help to reduce carbon emissions. This includes driving at a steady speed, avoiding rapid acceleration and braking, and using cruise control when possible. There are potential technologies which can be implemented into the company vehicles.
- In the long term we will look at hybrid or electric vehicle where possible.

Standard and methodology used

Motion Control Products categorises its Greenhouse Gas (GHG) Emissions as Scope 1,2 or 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent (CO₂e) for all scopes are calculated using the conversion factors listed in BEIS Greenhouse Gas Conversion Factors for the relevant 12 month period over which the Carbon Footprint is calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

Data Quality / Confidence

The data used to generate this report has been collected from various sources and converted to CO₂e using the CBN Expert Dashboard. This dashboard is a true and fair reflection of both the units of consumption and the resultant GHG emissions of the reporting firm.

Scope 3 Emissions

Motion Control Products Ltd is committed to measure and act to reduce its emissions in all 3 categories. This report reflects the amount of Scope 3 emissions that it has been technically feasible and cost effective to measure and take action against. Motion Control Products remains committed to work with its entire supply chain to ensure as much of its Scope 3 emissions are able to be accurately measured and to develop actions that target long term reductions in this emissions category.

Offsets

As part of the commitment of Motion Control Products to target reductions in its GHG emissions and, ultimately, attain Net Zero, the company will review and report all offsetting that it enters into. All offsetting options will be considered and reported included, formally certificated schemes (e.g. Gold Standard) as well as more informal schemes. Where offsetting is done against informal schemes, details of the calculation logic will be reported.