

Journey to Net Zero – Carbon reduction plan (CRP)



PPN- 06/20



Stamford Products Ltd Journey to Net Zero – Carbon reduction plan (CRP) PPN- 06/20

As an original equipment manufacturer with over 150 employees Stamford Products Ltd has been providing materials handling, materials management and logistics solutions for over 50 years.

Based in East Manchester with a global reach across multiple markets, we are proud of our manufactured products and honoured by the customers that work with us offering solutions to improve the working environments, working processes and operating procedures across the globe.

Achieving Net Zero - Our Commitment

With over two thirds of our employees involved in full scale production, energy efficiencies have been paramount and data collection to determine our carbon footprint in place for ten years prior to the base line year January 2018 based on the methodology of our Financial Control.



Reporting year 1st January 2018 to 31st December 2018	
Baseline Emissions calculations	
Additional Details relating to the Baseline Emissions calculations	
<p>The British Plastics Federation metric is based using an intensity ratio - polymer throughput (kg/KWh) over kilo watts per hour. Targets set against Specific Energy Consumption Profiles (SEC). Whilst as a multiple materials consumer (manufacturer) including cabinet assembly, metalwork fabrication, raw material processing, plus offices sharing space with commercial, sales and design personnel, this usage is not included in this determinant. Our whole energy consumption forms the basis of the (kg/KWh) calculations.</p>	
Our Net Zero Tool tracks a mixture of electricity & gas consumption / productivity throughput.	
Our baseline Emissions offers a combined Scope 1, 2 & 3 calculation:	
Emissions	Total (CO ₂ e)
Scope 1	966
Scope 2	1329
Scope 3	10
Note Scope 3 covers Grey fleet only at this stage.	
Total Emissions	2305 (tCO ₂ e)

Reporting year 1st January 2024 to 31st December 2024	
Emissions	Total (tCO ₂ e)
Scope 1	712.18
Scope 2	Zero
Scope 3	10.77 Work in progress
Total Emissions	722.95 (tCO ₂ e)

Carbon Reduction Projects

Since our baseline 2018 report, efforts have concentrated on improving the kg/KWh.

- Switch to renewable energy REGO backed. Ongoing.
- The commissioning of our new largest moulding machine, 1400T, contributed substantially for the first time for the whole of the latest reporting year to our reduced energy consumption data.
- Replacement LED lights installations completed throughout our heavily trafficked and occupied offices. Extended also to heavily trafficked warehousing and storage areas.
- “Free water-cooling” equipment installed and commissioned to support our injection moulding plant. Expected savings realised throughout the first full year of operation.
- Energy reduction plan continues to be updated, assessed and reviewed.
- Installation of new moulding machine metering to enable more real time and accurate reporting approx. 70% completed.
- Having replaced some existing gas space heating with more energy efficient units there is an on-going assessment of the various heating systems and requirements across the site involving office space, warehousing and factory units with a view to achieving a linked energy control system.
- Preparations underway for a segregated waste system to be implemented across the complete site.
- A trial has commenced on the use of EV's by our sales force.
- Use of video conferencing for sales and service calls are now in widespread use. Video conferencing facilities upgraded.
- The viability of moving to BIO gas at the end of our contract was evaluated. A likely threefold in increase in costs made this step unviable. The situation will continue to be monitored.

Future Carbon Reduction Projects

As we progress to achieving Net Zero -

Short term

- Continue the roll out of our LED lighting across our whole site.
- Implementation of a full site waste segregation/recycling system.
- Continue wider use of video conferencing.
- Encourage car sharing between employees.
- Carry out full assessment of savings and wider impacts on production processes and siting of installation of heat exchange systems.
- Carry out full assessment of savings and wider impacts of the installation of variable speed drives.
- Continued roll out of our site Decarbonisation programme seeking solutions as replacements for the elimination of all gas processes.
- Monitor and analyse the results of the trials and the possible impacts of the use of EV for the sales.
- Introduction of solar panels will be regularly revisited as potential costs might reduce and/or grant funding streams become available. Continued assessment of our carbon emissions monitoring along with annual reports against PPN06/20 ensures continued focus and compliance.

Medium Term

- We will continue the energy efficiency upgrades of our injection moulding machinery.
- Switch to Bio Gas will continue to be evaluated.
- Downstream improvements, as vehicles come up for renewal these will be switched to EV. We will also contract to use companies we use to deliver goods for us will also switch to EV.
- Upstream improvements, we anticipate that the companies we use to deliver to us will also switch to EV.

Long Term

- Replacement of our general gas heating systems.
- Introduction of Solar panels when economically beneficial.

Emission Reduction Targets

As we continue our journey towards achieving Net Zero, we submit our carbon reduction targets -

Our current measurement tool: Polymer throughput (kg/KWh) over kilo watts per hour allows for an increase in business growth. On the SEC Profile basis there was a 6% reduction in our energy consumption per kg of production. Our Scope 1 reduction target of 10.% for 2028 is based on the de-commissioning of our gas based processes. With a further 75% reduction target by 2045 based on a move to a Bio Gas Contract. Scope 3. Data collection is ongoing and the information submitted is based on our grey fleet collection only at this stage.

Declaration and approval

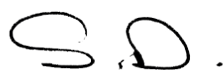
Our Carbon Reduction Plan has been completed in accordance with PPN 06/20 and associated guidance and reporting standard for Carbon Reduction Plans.

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 green house gas company reporting.

Scopes 1, 2 & 3 emissions have been reported and correlate to our CCA (Climate Change Agreement).

This Carbon Reduction Plan has been signed off by the board of directors.

Signed :



Name : Stephen Dubyl

Position : Managing Director

Date : 28.03.25