

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.



SPL
Stamford Products Limited

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 (CO2e)
Scope 1	954
Scope 2	1329
Scope 3	10
Note Scope 3 covers Grey fleet only at this stage.	
Total Emissions	2293 (tCO2e)

Reporting Year 1st January 2023 to 31st December 2023	
Emissions	Total (tCO2e)
Scope 1	704
Scope 2	Zero
Scope 3	14 Work in progress
Total Emissions	718 (tCO2e)

Carbon Reduction Projects:

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

- Switch to renewable energy REGO backed.
- The replacement of 5 out of 13 of our injection moulding machines: 430 ton, 1400 ton, 1080 ton, 1x 90 ton 1 x 160 ton.
- Replacement LED lights throughout our offices.
- Introduction of free water-cooling equipment.
- Completion of an energy reduction plan.
- Installation of new metering to enable accurate reporting.
- Replaced existing gas space heating with more energy efficient units and linked these to our energy control system.

Future Carbon Reduction Projects

As we progress to achieving Net Zero

Short term

- Continue the roll out of our LED lighting across our manufacturing base.
- Implementation of the Welsh Recycle scheme.
- Encourage video conferencing for all sales calls (not including surveys)
- Encourage car sharing between employees.
- Installation of equipment to enable the introduction of heat exchange systems.
- Installation of variable speed drives.
- Continued roll out of our site Decarbonisation programme seeking solutions as replacements for the elimination of all gas processes.

Medium Term

- We will continue the energy efficiency upgrades of our injection moulding machinery.
- Switch to Bio Gas at the end of our current Gas contract.
- 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

Continued assessment of our carbon emissions monitoring along with annual reports against PPN06/20 ensures continued focus and compliance.

Emission Reduction Targets

As we continue our journey towards achieving Net Zero, we submit our carbon reduction target as we commit to net zero by 2045.

Our current measurement tool: Polymer throughput (kg/KWh) over kilo watts per hour allows for an increase in business growth. Our Scope 1 reduction target of 10.% for 2028 is based on targeted improvements in the efficient working 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 : 22/03/2024

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