



# Carbon Reduction Plan

**Supplier Name:** Lohmann &Rauscher UK Ltd

**Publication date:** 18<sup>th</sup> May 2023.

## Commitment to Achieving Net Zero

Lohmann &Rauscher UK Ltd is committed to achieving Net Zero emissions by 2040.

We have committed to achieving a Carbon Reduction of at least 17% by 2025 (relative to a 2022 assessment) through changes to our working practices and working environment

We have a long term commitment to further reduce our carbon emissions leading to a position of Net Zero by 2040

## 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. For 2021/22 the carbon impact was affected by the residual affects of the global Covid-19 pandemic which affected working patterns, access and transportation opportunities. 2022/23 saw an increase, which was anticipated and therefore reduction targets have been aligned to these anticipated changes.

### Baseline Year: 2021

#### Additional Details relating to the Baseline Emissions calculations.

In 2021, we undertook a detailed modelling exercise to measure our carbon footprint and to allow us to set evidence-based reduction targets for the next five years. In preparing this baseline, we have followed the Greenhouse Gas Protocol methodology.

To assess our baseline carbon footprint, we collated data on the volume of activity across key areas. Then, by applying emissions conversion factors provided by the Department for Environment, Food and Rural Affairs (or local equivalents for our international offices), we have calculated the CO<sub>2</sub> equivalent emissions generated by:

*volume of activity emissions conversion factor 609 kg CO<sub>2</sub>e.*

As the assessed period of the operations are from 01 January 2021 to 31 December 2021, it has been carried out using the UK Government GHG and BEIS Conversion Factors published in July 2021 These estimates have been cross-checked using the SME Climate Hub carbon calculator

Baseline year emissions:

<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	37.5
Scope 2	55.5
Scope 3	533.7
<b>Total</b>	<b>648.1</b>

**These Scope 3 emissions include;**

	<b>TOTAL (tCO<sub>2</sub>e)</b>
Upstream Transportation	388.9
Waste Generation	12.02
Business Travel	15.7
Employee Commuting	7.4
Downstream Transportation and Distribution	21.4

The above calculations include the indirect effects of non-CO<sub>2</sub> emissions for freight flights, as the UK Government GHG and BEIS Conversion Factors provides two sets of emissions factors. BEIS notes organisations should include the indirect effects of non-CO<sub>2</sub> emissions when reporting air freight emissions to capture the full climate impact of their travel. However, it should be noted that there is significant scientific uncertainty around the magnitude of the indirect effect of non-CO<sub>2</sub> aviation emissions. If only the direct effects of CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O are considered, L&R Med's air freight emissions decrease to 74.4 tonnes CO<sub>2</sub>e (a decrease of 66.4 tonnes CO<sub>2</sub>e or 47%).

## Current Emissions Reporting

Reporting Year: 2022

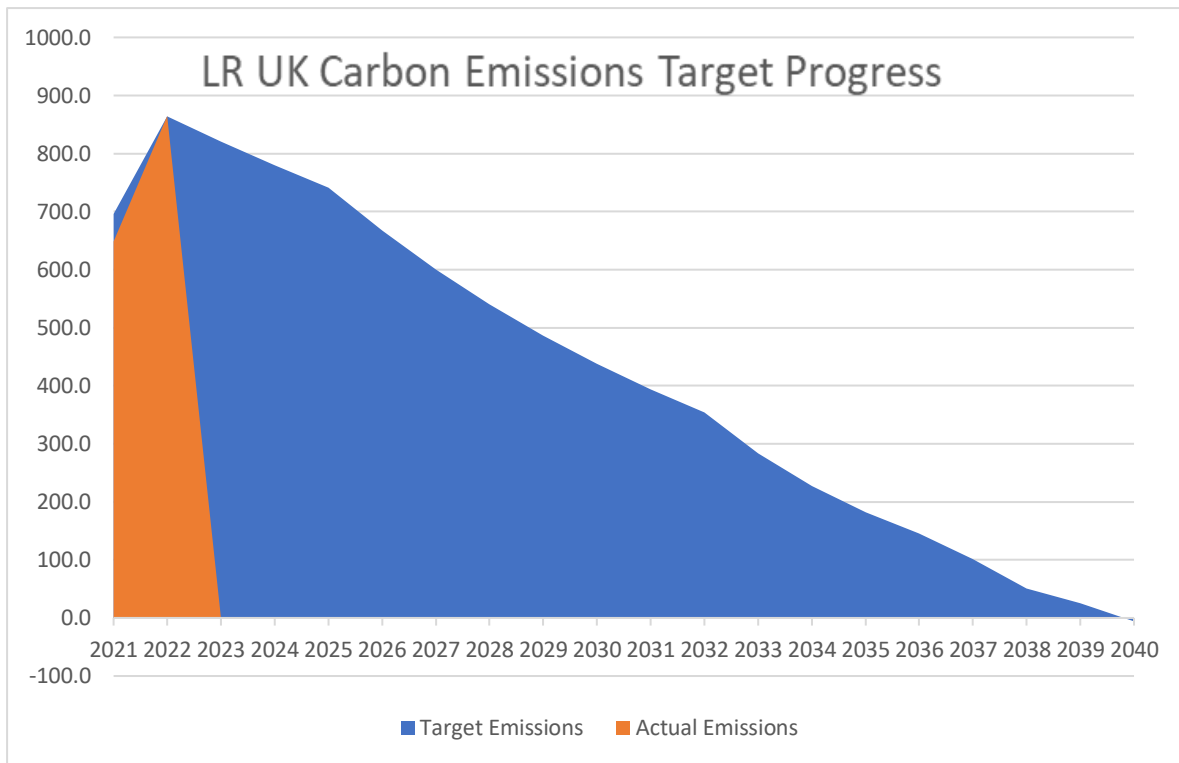
EMISSIONS	TOTAL (tCO2e)
Scope 1	37.5
Scope 2	66.7
Scope 3 (Included Sources)	696.4
<b>Total Emissions</b>	<b>864.6</b>

These Scope 3 emissions include;

	TOTAL (tCO2e)
Upstream Transportation	570.8
Waste Generation	12.8
Business Travel	46.14
Employee Commuting	7.4
Downstream Transportation and Distribution	64

## Emissions Reduction Targets

As outlined above, we are committed to reducing our emissions, from the 2021 baseline of 648.1 tCO2e, by 17% by 2025. This equates to an annual emissions target of 740 tCO2e. Our modelling shows that 2021 emissions have been impacted by COVID-19, leading to a reduction in business travel as a result of the pandemic. 2022 has seen an overall increase in emissions which is a result of increased travel and most significantly an increase in air freight due to external pressures in the supply chain. Our aim is therefore to reduce these levels of emissions through to 2025. 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 over the next three years to 740.8 tCO2e by 2025. This is a reduction of 17%. Progress against these targets can be seen in the graph below: We project that carbon emissions will decrease over the next seven years to 437.4 tCO2e by 2030.



## Carbon Reduction Projects

### Current Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. These will be updated each year following a review of impact and identification of further Carbon Reduction Measures

The carbon emission reduction projected by these schemes equate to 124 tCO2e, a 17%ge reduction against the 2022 assessment by 2025 with further reductions by 2040 leading to net zero in 2040 and the measures will be in effect when performing the contract

To date, our carbon reduction initiatives include:

- promoting hybrid working practices, with staff working up to two days per week from home;
- reducing commute journeys by 40% (Ongoing)

To reduce the energy consumption from non-renewable sources and increase renewable sources through the installation of Solar Panels at warehouse and Offices (End 2023)

- To minimise Air Freight requirements through effective planning and procurement supply chain (ongoing )
- New Car Fleet Scheme to be promoted with only Hybrid or fully electric cars available 2022 (In place)
- To investigate more sustainable packaging usage (Ongoing)
- Investigate 'smart packaging methodology' (Ongoing)
- To use correct size packaging (no oversized packages) (Ongoing)
- To encourage multiple orders in same packaging through cost deduction (Ongoing)
- To remove all plastic packaging wherever possible (Ongoing)
- To reduce the number of promotional items involving plastic (Ongoing)
- To promote and increase recycling opportunities at offices and warehouse (in place)
- Optimization of waste separation through identified Bins (in place)
- To promote correct recycling through posters and online messaging (in place)

### **Completed Carbon Reduction Initiatives**

- L&R UK have successfully gained accreditation for ISO14001 which helps shape all of our analysis and subsequent actions
- Printing reduction through increased use of electronic communication and promotion
- Installed LED lighting across warehouse and Offices

## 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 standard Government emission conversion factors for greenhouse gas company reporting<sup>1</sup> and uses the appropriate <sup>2</sup>.

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) Standard<sup>3</sup>.

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:***

A handwritten signature in blue ink that reads "Jon Browne".

Jon Browne  
Managing Director  
Date: 18<sup>th</sup> May 2023