

# Carbon Reduction Plan

Supplier name: Sofidel UK Limited

Publication date: 3 September 2023

## Commitment to achieving Net Zero

Sofidel UK Limited is committed to achieving Net Zero emissions by 2050.

## 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: 2020

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

Sofidel S.p.A., one of the world's leading manufacturers of tissue paper for hygienic and domestic use has had its emissions reduction targets approved by the Science Based Targets initiative (SBTi). Specifically, Sofidel has committed to reduce scope 1, 2, and scope 3 emissions from suppliers' pulping process 40% per ton of paper by 2030 from a 2018 base year. Sofidel has also committed to reduce scope 3 GHG emissions 24% per ton of paper by 2030 from a 2018 base year. In order to support Sofidel Group in achieving its targets, Sofidel UK Limited has defined its own Carbon Reduction Plan, choosing 2020 as the base year since it represents the first full year after that Intertissue Ltd sold its assets and business to Sofidel UK, on 1 June 2019. The organizational boundary includes all the production plants under the current operational control of Sofidel UK Limited:

- Sofidel UK Lancaster,
- Sofidel UK Rothley Lodge,
- Sofidel UK Baglan,
- Sofidel UK Hamilton.

All the operational sites are specialized in the manufacturing of only tissue paper products.

The possibility of recalculating base year emissions or adopting a new one is taken if one of these conditions occurs:

- Acquisition or sale of a papermill
- Change of methodology or reporting standard
- Discovery of methodological errors or material errors in calculation
- Greenfield investment or discontinuation of a papermill

<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>TOTAL EMISSIONS (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>61.768</b>
<b>Scope 2</b>	<b>36.403 (location based approach), 44.970 (market based approach)</b>
<b>Scope 3 (Included Sources)</b>	<b>77.920 - Total Scope 3</b> <b>Category 4 - Upstream transportation and distribution</b> <b>75.466</b> <b>Category 5 - Waste generated in operations</b> <b>803</b> <b>Category 6 – Business Travels</b> <b>52</b> <b>Category - 7 Commuting</b> <b>1.621</b> <b>Category 9 - Downstream transportation and distribution</b> <b>30</b>
<b>Total Emissions</b>	<b>176.091 (location-based approach), 184.658 (market-based approach)</b>

## Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL EMISSIONS (tCO <sub>2</sub> e)
Scope 1	56.751
Scope 2	29.240 (location-based approach), 26.247 (market-based approach)
Scope 3 (Included Sources)	<p>74.528 - Total Scope 3</p> <p>Category 4 - Upstream transportation and distribution 72.113</p> <p>Category 5 - Waste generated in operations 701</p> <p>Category 6 – Business Travels 53</p> <p>Category - 7 Commuting 1.621</p> <p>Category 9 - Downstream transportation and distribution 41</p>
<b>Total Emissions</b>	<b>160.519 (location-based approach), 157.526 (market-based approach)</b>

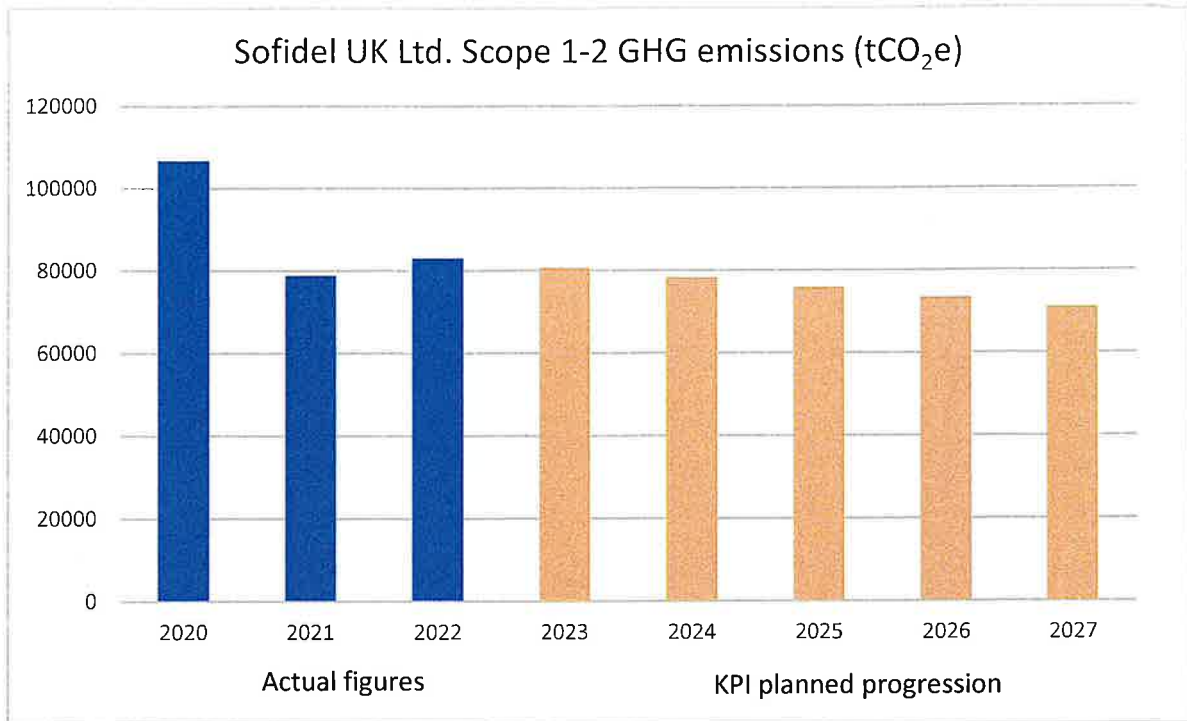
## Emissions reduction targets

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

Sofidel (the parent company of Sofidel UK) has committed to reduce scope 1 and 2 emissions of 40% per ton of paper by 2030 from a 2018 base year for all the operations belonging to the Group, including Sofidel UK. This target estimates Scope 2 emissions with a Market-based approach.

Following the same approach and seen the result already achieved, we estimates that Sofidel UK's carbon emissions (scope 1+2) will decrease over the next five years to 71.000 tCO<sub>2</sub>e by 2027, compared with the total emission of 2022 summing up to 82.998 This is a reduction of 14,5 % against 2022.

Progress against these targets can be seen in the graph below:



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

All Sofidel UK papermills have an ISO 50001 certified Energy Management System, giving a reliable tool to not only have an advanced energy figures data collection, but also a way to highlight the GHG emissions related to each installed machinery, supporting the identification of the main emission hotspots in the production processes.

Following the implementation of the management systems in 2017 and 2018, Sofidel UK has started a long list of spot-on investments with a focus on the energy efficiency and low carbon technology which still continues.

In the last two years, Sofidel UK have completed the following actions:

- Sofidel UK Baglan: inverter installation, agitator optimization (2021), introduction of two new technologies named Visconip/Redry for thermal energy saving, subsidized under the Industrial Energy Transformation fund (IETF) (2022).
- Sofidel UK Hamilton: pulper optimization, inverter installation (2021), several improvements on energy and gas performances of the two paper machines (2022).
- Rothley Lodge: electrical panel cooling, installation of Led Lighting in external areas (2021), variable speed compressor and reduction of the number from 4 to 3 (2022)
- Sofidel UK Lancaster: inverter installations, optimise agitator (2021), upgrade of the refiner, the pulper and the drying system (2022).
- Purchasing of green electricity generated through renewable sources, validated with Renewable Energy Guarantee of Origins (REGOs).

The carbon emission reduction achieved in 2022 due to these investments equates to 23.740 tCO<sub>2</sub>e, a 22,2% reduction against the sum of Scope 1 and 2 in the 2020 baseline.

For the future Sofidel UK is aimed at implementing the following measures, which may lead of a further reduction of Scope 1, 2 and 3 emissions:

- Promoting EV purchase for Sofidel UK personnel through available recharge points in the factories' parking;
- Installation of further LED Lightning in the premises of the company;
- Installation of a boilers fed with local sourced solid biomass, already consented at Baglan operations;
- Replacing the existing gas fired boiler with a new one hydrogen ready, in sight of the future availability of green hydrogen in the area of Leicester;
- Investigation of further opportunities linked with the self-generation of green hydrogen and/or renewable power, taking advantage of the UK grants schemes.

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<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: Sofidel UK

Edilio Stefani (Director)

  
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Date: August 30, 2023.

<sup>1</sup><https://ghgprotocol.org/corporate-standard>

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup><https://ghgprotocol.org/standards/scope-3-standard>