

# Organisational Carbon Footprint 2021

Initial climate risk statement



---

**Supplier name:**        **Bauder Limited <sup>1</sup>**

**Publication date:**    **January 2023**

<sup>1</sup> This report solely captures the head office operations of Bauder Limited within the United Kingdom and does not include data from the wider Bauder Group across Europe.

---

## Context

Paul Bauder GmbH & Co. KG is a leading manufacturer of roof building construction materials that is operational across Europe. The United Kingdom subsidiary, Bauder Limited, is a sales and marketing operation providing flat roof materials and system solutions to the specification segment of the construction industry.

In the United Kingdom our flat roof solutions:

- Ensure a flat roof on a building is watertight, to ensure normal operations within, and well insulated to conserve the consumption of energy.
- Create environmentally-supportive spaces when the inclusion of a green roof is delivered for wildlife and biodiversity or where a podium or rooftop garden area extends recreational living spaces for people .
- Provide the opportunity to attenuate and slow the discharge of stormwater from a flat roof with the intention to prevent localised flooding.
- Produce site sourced electricity through the inclusion of a solar photovoltaic installation.

## Commitment to Carbon Reduction

We are committed to continual improvement on all our organisational activities and responsibilities towards decarbonising our business for the preservation of the environment and a sustainable future. We, like many companies, are advancing our carbon reduction journey, and for us our next steps are:

- Extend our Scope 3 data set through robust capture and clear reporting.
- Produce our Carbon Reduction Plan identifying a clear route to reduce greenhouse gas emissions.

## Perspective

Bauder Limited accounts on carbon footprint data pertaining to elements within the boundaries of its operational control of its leased head office site, Ipswich Suffolk, covering Scope 1, Scope 2, and individual Scope 3 emissions.

## Reporting period

01<sup>st</sup> January 2021—31<sup>st</sup> December 2021

## Description of methodologies and data set

We are in the process of developing the data capture and reporting methodologies required by PPN/o6 for us to report the emissions within future greenhouse gas reports and Carbon Reduction Plan.

### Scope 1 and Scope 2 Reporting

We report on all our Scope 1 and 2 organisational emissions. Included in this report boundary

Bauder company vehicle emissions are calculated by taking an average milage for each vehicle in the fleet and multiplying by the number of vehicles in the fleet of each fuel type.

Total electricity usage is calculated based on meter readings taken at the start and end of the reporting period. We report both location-based and market-based emissions to account for the 100% renewable electricity we purchase.

### Scope 3 Reporting

Category 6 Business Travel Included in this report boundary

Bauder currently records business travel within the boundary of air travel. CO<sub>2</sub> is recorded using Google Flights. Further information on how Google estimates CO<sub>2</sub> emissions can be found here - <https://support.google.com/travel/answer/11116147>. We are working with our internal expenses team to obtain the required data for other methods of business travel (e.g rail/taxis/bus/hotels) for future reports.

### Scope 3 Activities Under Advancement

Category 4 Upstream Transportation and Distribution Excepted in this report boundary

We are currently engaging with our key suppliers to obtain the data required to report the carbon emissions associated with material deliveries. We anticipate being able to include within our carbon benchmarking report from calendar year 2022.

Category 5 Waste Generated in Operations Excepted in this report boundary

We are working with our waste management company to report on waste produced from our Landseer Road site. The carbon emissions associated with this waste can be calculated through application of the appropriate DEFRA conversion factors and will be included in our carbon reporting from calendar year 2022.

Category 7 Employee Commuting Excepted in this report boundary

From January 2021 we have been recording the commuting plans of all new employees. For future reports this enable commuting emissions data to be generated (which is an accepted methodology within the Greenhouse Gas Protocol; Technical Guidance for Calculating Scope 3 Emissions; Category 7: Employee commuting).

Category 9 Downstream Transportation and Distribution Excepted in this report boundary

We are currently engaging with our key suppliers to obtain the data required to report the carbon emissions associated with material deliveries. We anticipate being able to include within our carbon benchmarking report from calendar year 2022.

## Scope 3 Activities Currently Excepted

Bauder currently has insufficient data to enable transparent reporting on certain elements which would provide a clearer perspective on our carbon footprint. This outlook occurs due to a difficulty in current data collection as well as because some categories are not applicable to our business operations.

We have highlighted the categories below with causes:

Category 1	Purchased Goods and Services	Not included in current reporting boundary
Category 2	Capital Goods	Not included in current reporting boundary
Category 3	Fuel and Energy Related Activities	Not included in current reporting boundary for data outside of Scope 1 or 2
Category 4	Upstream Transportation and Distribution	Not included in current reporting boundary
Category 5	Waste Generated in Operations	Not included in current reporting boundary
Category 7	Employee Commuting	Not included in current reporting boundary
Category 8	Upstream Leased Assets	Not included in current reporting boundary
Category 9	Downstream Transportation and Distribution	Not included in current reporting boundary
Category 10	Processing of Sold Goods	Not included in current reporting boundary
Category 11	Use of Sold Goods	Not included in current reporting boundary
Category 12	End-of-Life Treatment of Sold Products (Disposal)	Not included in current reporting boundary
Category 13	Downstream Leased Assets	Not applicable - Bauder does not lease downstream assets
Category 14	Franchises	Not applicable - Bauder does not own or operate franchises
Category 14	Investments	Not applicable

## Baseline Operational Emissions Footprint

This data set informs on the greenhouse gases that have been produced and attributable to our business operations prior to the introduction of our forthcoming strategy to reduce emissions. It is against this reference point that we will measure our impacts.

Baseline emissions period

01<sup>st</sup> January 2019 - 31<sup>st</sup> December 2019

This period has been identified as our baseline as it represented a normal operating year for business activities. We will adjust our base year emissions to account for significant changes (e.g. acquisitions, methodology changes, discovery of errors) that drives a change in emissions of greater than 5%.

Emissions (tCO <sub>2</sub> e) by activity	Year end 2019		
	Scope	TOTAL	% of Total
Electricity (purchased electricity only)	2	53	9.27
Natural Gas	1	12	2.06
Fugitive emissions from air conditioning/refrigeration equipment	1	0	0.00
LPG	1	0	0.00
Gas Oil	1	0	0.00
Company Cars	1	427	74.09
Electricity for EVs/Plug-in hybrid company vehicles	2	0	0.00
HGV's and vans	1	0	0.00
Category 5: Waste Generated in Operations	3	0	0.00
Category 6: Business Travel	3	84	14.59
Category 7: Employee Commuting	3	0	0.00
<b>Total Gross Carbon Emissions (tCO<sub>2</sub>e)</b>		<b>576</b>	
<b>Total Gross Carbon Emissions Scope 1 (tCO<sub>2</sub>e)</b>		<b>438</b>	
<b>Total Gross Carbon Emissions Scope 2 (tCO<sub>2</sub>e)</b>		<b>53</b>	
<b>Total Gross Carbon Emissions Scope 3 (tCO<sub>2</sub>e)</b>		<b>84</b>	
<b>Intensity Metric CO<sub>2</sub> to Headcount</b>		3	
<b>Intensity Metric CO<sub>2</sub> to £m turnover (tCO<sub>2</sub>e)</b>		6	
<b>Renewable Energy Generated and then exported (tCO<sub>2</sub>e)</b>		0	
<b>Purchased Renewable Electricity (tCO<sub>2</sub>e)</b>		44	
<b>Carbon offsets (tCO<sub>2</sub>e) [optional]</b>		12	
<b>Total annual net emissions - scopes 1 &amp; 2 only (tCO<sub>2</sub>e)</b>		436	
<b>Total annual net emissions (tCO<sub>2</sub>e) [optional]</b>		520	

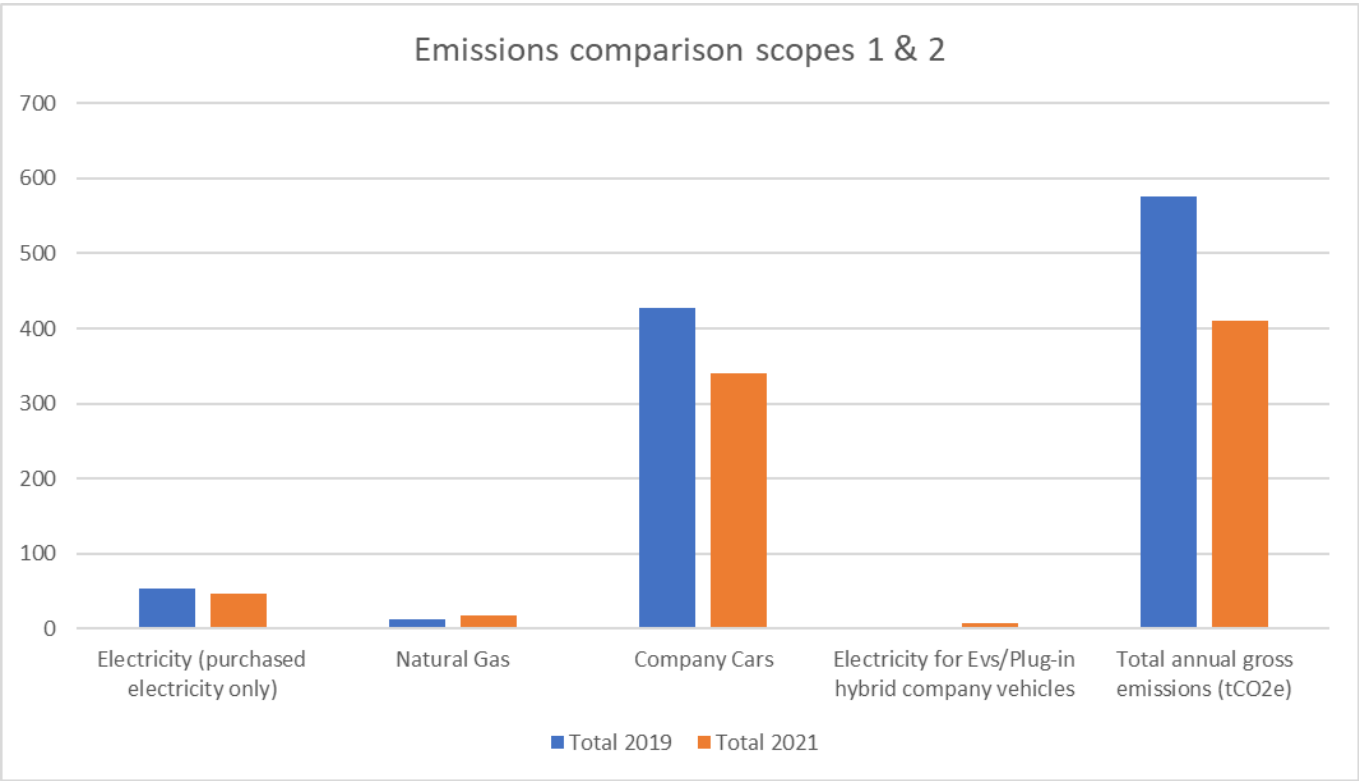
## 2021 Reporting Year Operational Emissions Data

Current data capture and reporting is conducted internally by Bauder Limited.

Data emissions period 01<sup>st</sup> January 2021 - 31<sup>st</sup> December 2021

Emissions (tCO <sub>2</sub> e) by activity	Year end 2021		
	Scope	TOTAL	% of Total
Electricity (purchased electricity only)	2	46.2	11.24
Natural Gas	1	17	4.13
Fugitive emissions from air conditioning/refrigeration equipment	1	0	0.00
LPG	1	0	0.00
Gas Oil	1	0	0.00
Company Cars	1	340.1	82.72
Electricity for EVs/Plug-in hybrid company vehicles	2	7.6	1.85
HGV's and vans	1	0	0.00
Category 5: Waste Generated in Operations	3	0	0.00
Category 6: Business Travel	3	0.3	0.07
Category 7: Employee Commuting	3	0	0.00
<b>Total Gross Carbon Emissions (tCO<sub>2</sub>e)</b>		<b>411</b>	
<b>Total Gross Carbon Emissions Scope 1 (tCO<sub>2</sub>e)</b>		<b>357</b>	
<b>Total Gross Carbon Emissions Scope 2 (tCO<sub>2</sub>e)</b>		<b>54</b>	
<b>Total Gross Carbon Emissions Scope 3 (tCO<sub>2</sub>e)</b>		<b>0.3</b>	
<b>Intensity Metric CO<sub>2</sub> to Headcount</b>		1.81	
<b>Intensity Metric CO<sub>2</sub> to £m turnover (tCO<sub>2</sub>e)</b>		4.19	
<b>Renewable Energy Generated and then exported (tCO<sub>2</sub>e)</b>		0	
<b>Purchased Renewable Electricity (tCO<sub>2</sub>e)</b>		46.2	
<b>Carbon offsets (tCO<sub>2</sub>e) [optional]</b>		17	
<b>Total annual net emissions - scopes 1 &amp; 2 only (tCO<sub>2</sub>e)</b>		348	
<b>Total annual net emissions (tCO<sub>2</sub>e) [optional]</b>		348	

2021 Comparison of Operational Emissions Data Against Baseline



Deductions

Total annual emissions for scopes 1 & 2 have reduced by 19% between 2019 & 2021. This is primarily due to an overall reduction in miles travelled although emissions have also reduced to a change in car fleet to incorporate a greater number of hybrid electric vehicles. Business travel in company cars accounts for almost 83% of overall emissions in 2021.

Electricity purchased has reduced by approximately 13%. This is possibly due to a move to hybrid working practices. In both reference years 100% of electricity purchased was from renewable energy sources.

Natural gas usage has increased by 43%. There is no obvious reason for this increase. All natural gas emissions are offset.

**UNITED KINGDOM**

Bauder Limited  
70 Landseer Road, Ipswich, Suffolk  
IP3 0DH, England  
T: +44 (0)1473 257671  
E: [info@bauder.co.uk](mailto:info@bauder.co.uk)  
[bauder.co.uk](http://bauder.co.uk)

**IRELAND**

Bauder Limited  
O'Duffy Centre, Carrickmacross,  
Co. Monaghan, Ireland  
T: +353 (0)42 9692 333  
E: [info@bauder.ie](mailto:info@bauder.ie)  
[bauder.ie](http://bauder.ie)

**Respecting the planet**

**Reducing the use of materials**



This report is only available in digital format to reduce the use of paper. If you need to print it, please recycle at the end of purposeful use.