

Organisational Carbon Footprint 2022

And carbon reduction plan



Supplier name: Bauder Limited ¹

Publication date: October 2023

¹ This report solely captures the 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 for the built environment segment of the construction industry.

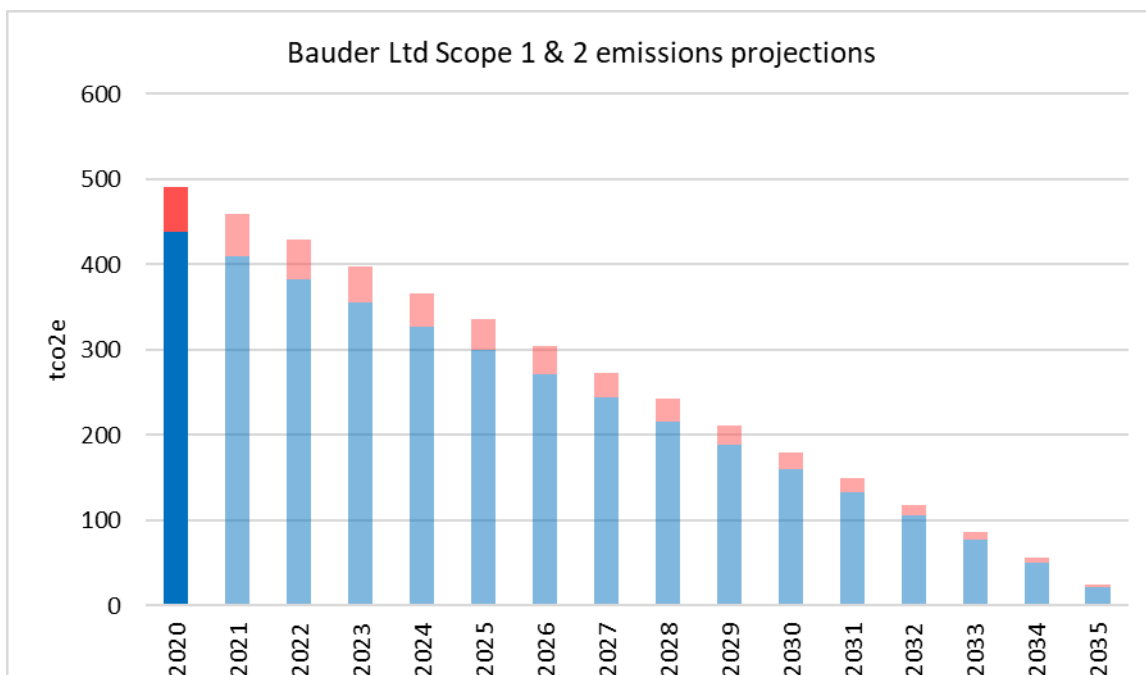
In the United Kingdom our flat roof solutions:

- Ensure a flat roof on a building is watertight, to ensure normal operations within, and well insulated to conserve 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 to help alleviate localised flooding.
- Produce site sourced electricity through the inclusion of a solar photovoltaic installation.

Carbon Reduction Plan

At Bauder Ltd we have committed to the following net-zero greenhouse gas emissions targets:

- Scope 1 & 2 – 2035
- Scope 3 – 2045



Carbon footprint tracking – net zero plan ■ Scope 1 ■ Scope 2

Carbon Reduction Plan continued...

In order to achieve these targets, we have a number of ongoing projects to help us reduce our greenhouse gas emissions:

Complete

- 100% of purchased electricity from renewables sources – complete
- 100% of gas for heating offset - complete
- Install car chargers at our Landseer Road offices – complete

Ongoing

In order to achieve these targets, we plan to undertake the following actions:

- Ensure all staff are carbon literate – H1 2024
- As vehicles need replacing, we will switch our car fleet to electric and hybrid vehicles where EVs are not deemed possible-ongoing
- Operate an 'Agile Working' policy to maximise the use of technology such as Microsoft teams to reduce travel time and improve work-life balance.
- Achieving and maintaining third party certification to ISO 14001:2015; consequently, all our activities are subject to defined environmental management standards applicable across all of our business activities.

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 in our reporting processes are,

- Extend our Scope 3 data set through robust capture and clear reporting:
 - Expand business travel to incorporate all forms of travel
 - Include waste generated in operations
 - Incorporate purchased goods and services into reporting

Perspective

Bauder Limited reports on its carbon emissions data based on the control methodology. We account for all scope 1 & 2 emissions and selected scope 3 emissions from facilities over which we have financial or operational control.

Reporting period

01st January 2022—31st December 2022

Description of methodologies and data set

We are continually developing our data capture and reporting methodologies to improve the scope and accuracy of our reporting data and improve our carbon reduction plan. The categories reported and excepted within this report are as follows:

Scope 1 and Scope 2 Reporting

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

Bauder Ltd company vehicle emissions are calculated by taking an average mileage 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 Ltd currently records business travel within the boundary of air travel. CO₂ is recorded using Google Flights. Further information on how Google estimates CO₂ 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.

Category 7 Employee Commuting Included in this report boundary

From January 2021 we have been recording the commuting plans of all new employees. Commuting figures are then adjusted to provide averaged commuting emissions data to be generated for all office based staff (which is an accepted methodology within the Greenhouse Gas Protocol; Technical Guidance for Calculating Scope 3 Emissions; Category 7: Employee commuting).

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 2023.

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 2023.

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 2023.

Perspective continued...

Scope 3 Activities Currently Excepted

Bauder Ltd 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 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 carbon reduction plan to reduce emissions. It is against this reference point that we will measure our impacts.

Baseline emissions period 01st January 2019 - 31st 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 ₂ e) by activity	Scope	Year end 2019	
		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
Total Gross Carbon Emissions (tCO₂e)		576	
Total Gross Carbon Emissions Scope 1 (tCO₂e)		438	
Total Gross Carbon Emissions Scope 2 (tCO₂e)		53	
Total Gross Carbon Emissions Scope 3 (tCO₂e)		84	
Intensity Metric CO₂ to Headcount		3	
Intensity Metric CO₂ to £m turnover (tCO₂e)		6	
Renewable Energy Generated and then exported (tCO₂e)		0	
Purchased Renewable Electricity (tCO₂e)		44	
Carbon offsets (tCO₂e) [optional]		12	
Total annual net emissions - scopes 1 & 2 only (tCO₂e)		436	
Total annual net emissions (tCO₂e) [optional]		520	

2022 Reporting Year Operational Emissions Data

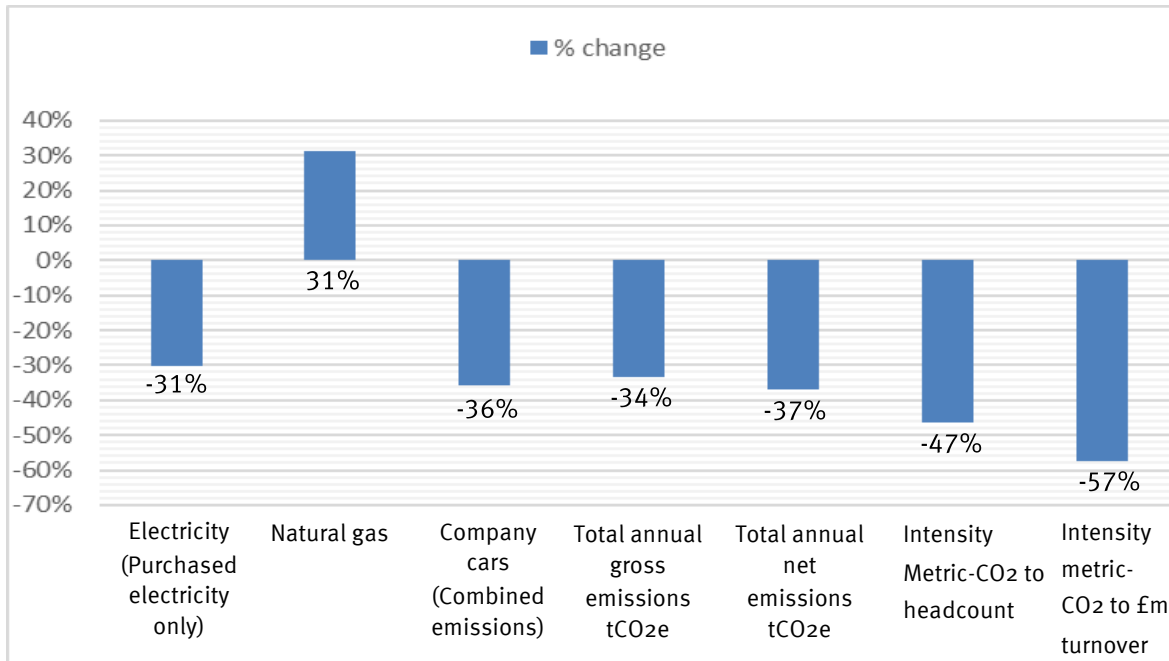
Current data capture and reporting is conducted internally by Bauder Limited.

Data emissions period 01st January 2022 - 31st December 2022

Emissions (tCO ₂ e) by activity	Scope	Year end 2021	
		TOTAL	% of Total
Electricity (purchased electricity only)	2	37.2	8.84
Natural Gas	1	15.5	3.69
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	260.7	61.90
Electricity for EVs/Plug-in hybrid company vehicles	2	13.4	3.18
HGV's and vans	1	0	0.00
Category 5: Waste Generated in Operations	3	0	0.00
Category 6: Business Travel	3	11.2	2.67
Category 7: Employee Commuting	3	83	19.72
Total Gross Carbon Emissions (tCO₂e)		421	
Total Gross Carbon Emissions Scope 1 (tCO₂e)		276	
Total Gross Carbon Emissions Scope 2 (tCO₂e)		51	
Total Gross Carbon Emissions Scope 3 (tCO₂e)		94.3	
Intensity Metric CO₂ to Headcount		1.34	
Intensity Metric CO₂ to £m turnover (tCO₂e)		2.69	
Renewable Energy Generated and then exported (tCO₂e)		0	
Purchased Renewable Electricity (tCO₂e)		37.2	
Carbon offsets (tCO₂e) [optional]		15.5	
Total annual net emissions - scopes 1 & 2 only (tCO₂e)		274	
Total annual net emissions (tCO₂e) [optional]		368	

2022 Comparison of Operational Emissions Data Against Baseline

Percentage change of CO2 emissions –Scopes 1&2 only



Carbon footprint tracking– summary sheet line 83

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 by company vehicles. Emissions have also reduced due 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.

Our scope 1 & 2 emissions reductions are against a backdrop of both high inflation & high growth and therefore our impact has reduced significantly when interpreted through both headcount and turnover intensity metrics.

Our scope 3 emissions have increased from 84 tons in in 2019 to 96 tons in 2023. This is simply down to an increase in the categories we are now reporting upon. This trend is anticipated to continue as we increase the number of categories included within this report and improve the accuracy of that data.

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