



Making vehicles special

Wietmarscher Ambulanz- und Sonderfahrzeug GmbH

Darwinstrasse 1

48488 Emsbüren / Germany

Documenthistory

Index	Revision	Date	Short Description
00	-	22th July 2022	Baseline
01	-	03th May 2023	Update 2022 / 2023

WAS GmbH is committed to achieving Net Zero emissions 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.

Baseline Year 2021

Status of WAS in 2021:

At the end of 2021 the WAS company move from the old factory in Wietmarschen to a new build plant in Emsbüren.

Therefore the base datas are from the old addresses

“Lingener Str. 1, 49835 Wietmarschen”

„Am Ruhning 7, 49835 Wietmarschen“

„Darmer Esch 81, 49811 Lingen“

Generally:

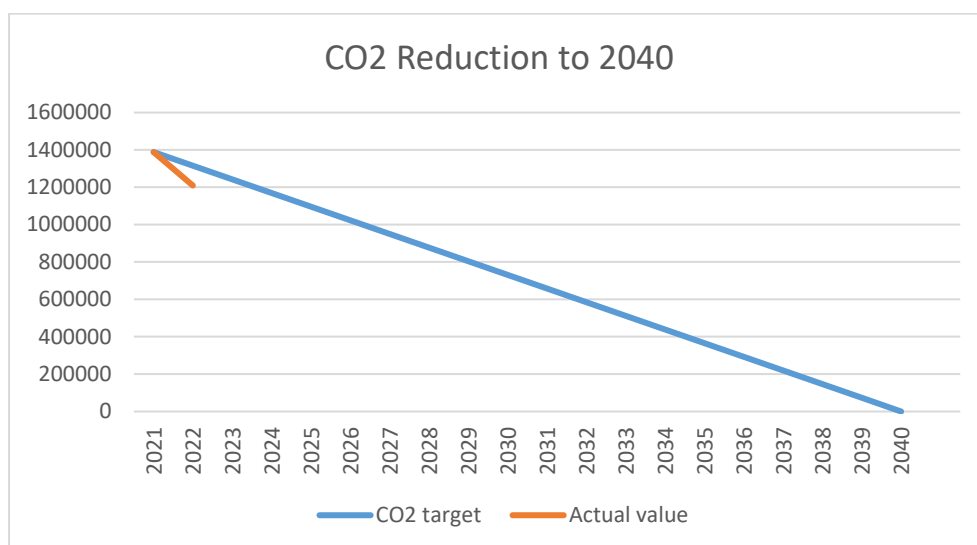
- The WAS is certified to ISO 14001 since 1997
- The WAS buy green electricity since 2018 for both plants in Wietmarschen
- The WAS do waste separation since 2002
- The WAS box bodies are complete recyclable
- The WAS box bodies have a life expectancy of 20 years +
- The WAS van conversion have a life expectancy of 15 years +
- The WAS conversion (box body and van) are free of emissions in process



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Base Year 2021

Scope	Emissions:	CO ₂ in kg
Scope 1	Business vehicles fleet (cars, service vans, trucks) Diesel 102237 Liter x 2650g CO ₂ /Liter	272928
Scope 1	Emissions from natural gas for heating and processing, all plants 2021: 1479550 kWh x 200g CO ₂ /kWh	295910
Scope 2	Natural gas for heating and processing, all plants 2021: 1479550 kWh x 55g CO ₂ /kWh	81375
Scope 2	Electricity for "Darmer Esch 81, 49811 Lingen" 2021: 58014 kWh x 420g CO ₂ /kWh	24366
Scope 2	Electricity for "Lingener Str. 1, 49835 Wietmarschen"	0
Scope 2	Electricity for "Am Ruhning 7, 49835 Wietmarschen"	0
Scope 2	Business trips via plane or train (estimated)	10000
Scope 3	Employee commuting 380 employees // 50 km/employee/day 150g/km // 220 working days/year	627000
Scope 3	Shuttle transport via light truck between plants ~ 30000 km/year. 350g/km	10500
Scope 3	Residual waste, not able to separate (ITAD value 484g CO ₂ /kg) 63% of 211091kg = 132987kg x 484g	64366
Total		1388317 kg



Report 2022

Done action in 2022		
<ul style="list-style-type: none"> - Green electricity for Emsbüren => done - Complete move to new plant "Emsbüren"=> partly done 2nd plant "Am Ruhning" still existing up to September 2023 - Close "Darmer Esch 81, 49811 Lingen" => done - Close "Lingener Str. 1, 49835 Wietmarschen" => done - Reduce shuttle truck rides => done - Reduce waste disposal handling => partly done - Better separation of waste => done - No more natural gas for processing => done - Partly exchange of business Diesel vehicles to hybrid vehicles (electric / petrol) => done - Implementation of professional software for mobile working (Office 365) => done - More mobile working (Home Office) for office worker => partly done 		
Scope	Emissions:	CO₂ in kg
Scope 1	Business vehicles fleet (cars, service vans, trucks) Diesel 93437 Liter x 2650g CO ₂ /Liter Petrol 11872 Liter x 2370g CO ₂ /Liter	247608 28136
Scope 1	Emissions from natural gas for heating, all plants 2022: 1307134 kWh x 200g CO ₂ /kWh	261427
Scope 2	Natural gas only for heating, all plants 2022: 1307134 kWh x 55g CO ₂ / kWh	7542
Scope 2	Electricity for "Darwinstr. 11, 48488 Emsbüren"	0
Scope 2	Electricity for "Am Ruhning 7, 49835 Wietmarschen"	0
Scope 2	Business trips via plane or train (estimated after Corona)	15000
Scope 3	Employee commuting (more Home Office) 380 employees // 50 km/employee/day 150g/km // 200 working days/year	570000
Scope 3	Shuttle transport via light truck between plants ~ 5000 km/year. 350g/km	1750
Scope 3	Residual waste, not able to separate (ITAD value 484g CO ₂ /kg) 36 % of 448724 kg = 161540 kg x 484g	78186
	Total	1209649

Reduction of CO₂ from 2021 to 2022: ~13%



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Report 2023

Planned action in 2023		
<ul style="list-style-type: none"> - Close plant "Am Ruhning 7" - Professional CO2 identification with technical service DEKRA - ECOVADIS Certificate for plant "Emsbüren" - Improvements from DEKRA report 		
Scope	Emissions:	CO₂ in kg
Scope 1	Business vehicles fleet (cars, service vans, trucks) Diesel XXXXX Liter x 2650g CO ₂ /Liter Petrol XXXXX Liter x 2370g CO ₂ /Liter	
Scope 1	Emissions from natural gas for heating, all plants	
Scope 2	Natural gas only for heating, all plants 2023:	
Scope 2	Electricity for "Darwinstr. 11, 48488 Emsbüren"	0
Scope 2	Business trips via plane or train	
Scope 3	Employee commuting (no changes) 380 employees // 50 km/employee/day 150g/km // XXX working days/year	
Scope 3	Shuttle transport via light truck between plants ~ 5000 km/year. 350g/km	
Scope 3	Residual waste, not able to separate (ITAD value 484g CO ₂ /kg) XX % of XXXX kg = XXXX kg x 484g	
	Total	



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General Carbon Reduction Plan (Milestones to 2040)

- 1) Photovoltaic system on the plant roof / ~ 500 kWp
- 2) WAS as certified pilot project for the complete LUEG AG group to the "Greenhouse Gas Protocol"
Action from the certification
- 3) Developing a climate strategy
- 4) Electric mobility for the products, for the business fleet and employees
- 5) Developing a strategy to replace fossil fuels (natural gas) with hydrogen

09th September 2022 / 03th May 2023

A handwritten signature in blue ink, appearing to read 'S. Kiepe', with a stylized flourish at the end.

Stefan Kiepe