



## Carbon Reduction Plan

**Supplier name:** FSG Shipyards GmbH

**Publication date:** 01/09/2025

### Commitment to achieving Net Zero

FSG Shipyards GmbH 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.

<b>Baseline Year: 2018</b>		
<b>Additional Details relating to the Baseline Emissions calculations.</b>		
Baseline year with high utilisation of shipyard's production capacity but no data available for employee commuting.		
<b>Baseline year emissions:</b>		
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>	
<b>Scope 1</b>	<b>2.284,60</b>	
<b>Scope 2</b>	<b>9.990,91</b>	
<b>Scope 3 (Included Sources)</b>	<b>Total:</b>	<b>1.112,33</b>
	Upstream transportation and distribution:	433,03
	Waste:	625,30
	Business travel:	54,01
	Employee Commuting:	N/A
	Downstream transportation and distribution:	0,00
<b>Total Emissions</b>	<b>13.387,84</b>	

## Current Emissions Reporting

Reporting Year: 2024		
EMISSIONS	TOTAL (tCO <sub>2</sub> e)	
Scope 1	81,99	
Scope 2	2.005,14	
Scope 3 (Included Sources)	<b>Total:</b>	<b>379,61</b>
	Upstream transportation and distribution:	0,67
	Waste:	22,28
	Business travel:	28,61
	Employee Commuting:	328,04
	Downstream transportation and distribution:	0,00
<b>Total Emissions</b>	<b>2.466,74</b>	

## Emissions reduction targets

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

We project that scope 2 carbon emissions will decrease within the next five years by at least 400 tCO<sub>2</sub>e per year. This is a reduction of ca. 4% in scope 2 emissions against the 2018 baseline.

## Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since 2018.

- Maintaining the company's ISO 14001 certification for its environmental management system held since 2013
- Implementation of ISO 50001 energy management system including an energy data monitoring system
- Replacement of lighting to efficient LEDs in several offices, halls and outdoor areas
- Replacement of old welding machines by new welding inverters



- Optimisation and on-demand operation of the welding fume exhaustion
- Continuous maintenance of gas and compressed air distribution systems to keep leakages at low level
- Optimisation of heat distribution and its energy losses within the yard
- Optimisation of compressors' heat recovery system in the blasting and coating hall

The reduction in carbon emissions achieved by these schemes equates to at least 220 tCO<sub>2</sub>e, an 2 % reduction in scope 2 emissions against the 2018 baseline.

In the future we will implement further measures such as:

- Replacement of the entire hall lighting by intelligent LED lighting systems
- Decentralisation of warm water supply to reduce energy distribution losses
- Replacement of inefficient hall heating systems by radiant heat systems
- Replacement of older welding technologies
- Installation of additional heat recovery systems
- Installation of photovoltaic systems

## 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).

Thorsten Rönner  
Chief Executive Officer  
FSG Shipyard GmbH  
Date: 1<sup>st</sup> September 2025

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<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>