

Ladies and Gentlemen

We are pleased to present you the first GHG report from Schierle Stahlrohre GmbH & Co. KG for the period from January 1st, 2022 to December 31st, 2022. The report shows transparently how we are committed to climate protection and will represent the base year for the evaluation of future measures.

The data comes from various data sources, such as data from our ERP system, information from our suppliers, values from our order overviews and information determined for the assessment of CO₂ equivalents. There was no verification by an official certification body, but we tried to determine the data as accurately as possible.

Scope of application

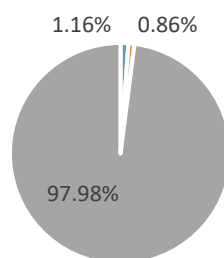
The scope of the GHG calculation includes the direct and indirect greenhouse gas emissions caused by the business activities of Schierle Stahlrohre GmbH & Co. KG. The production sites Neuss and Schkeuditz are included in the report. The other indirect emissions are stated for informational purpose.

GHG balance

The GHG balance includes all direct and indirect greenhouse gas emissions as well as all significant other indirect greenhouse gas emissions caused by the business activities of Schierle Stahlrohre GmbH & Co. KG. For the other indirect greenhouse gas emissions, we tried to select all emitters that we believe make a significant contribution to the overall balance.

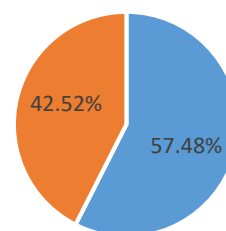
The GHG balance resulted in a total of approximately 17,800,000 kg of CO₂ equivalents for 2022. The direct (Scope 1) and indirect emissions (Scope 2) accounted for approximately 360,000 kg of CO₂ equivalents in 2022, which is a share of 2.0 % of the total emissions.

Total CO₂ share



■ Scope 1 ■ Scope 2 ■ Scope 3

CO₂ breakdown Scope 1 and Scope 2



■ Scope 1 ■ Scope 2



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Emissions reduction

In order to improve our carbon footprint, we adhere to the following hierarchy:



To reduce greenhouse gas emissions, Schierle Stahlrohre GmbH & Co. KG changed the standard packaging process in 2022, which means we expect savings of over 20 % in wood consumption in the coming years, which we estimate corresponds to an annual saving of 60,000 kg of CO₂.

We have been able to reduce paper consumption by a total of 56 % since 2018 due to the digitalization of our processes and are now saving around 1,500 kg of CO₂ per year in this area.

Since 2011, we have installed a photovoltaic system in Neuss with a total output of 327.3 kWp, which has saved us a total of around 1.7 million kg of CO₂ during this time. In Schkeuditz, we also commissioned a photovoltaic system with a total output of 54.39 kWp in 2011, with which we have saved an estimated 280,000 kg of CO₂ since commissioning. However, 100 % of the electricity is fed into the power grid at both locations.

Future outlook

Schierle Stahlrohre GmbH & Co. KG will continue to take action in the future to further reduce greenhouse gas emissions and increase the sustainability of its business activities. Therefore, we have set ourselves the following ambitious goals.

By 2025, we will reduce paper consumption by 20 % compared to 2022 by digitizing additional processes, especially in accounting, human resources and production.

We will convert the electricity we purchase to 100 % green electricity by 2025 in order to make our indirect emissions (Scope 2) climate-neutral.

By 2025, we are aiming for climate neutrality for our direct (Scope 1) and indirect emissions (Scope 2). This climate neutrality is to be achieved through the purchase of compensation certificates, which promote sustainability projects worldwide.

We have set ourselves the goal of reducing our direct (Scope 1) and indirect emissions (Scope 2) by a total of 50% compared to 2022 by 2030 by investing in modern and efficient heating technologies and convert our fleet to more sustainable technologies.



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Since a large proportion of the emissions are other indirect emissions (Scope 3), we will include greenhouse gas emissions in the supplier evaluation starting in 2025.

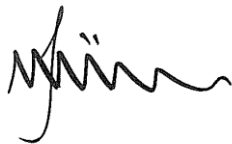
By 2030, our goal is to reduce other indirect emissions (Scope 3) by 30% per ton of steel compared to 2022.

Summary

In the area of sustainability, we as a company have already been able to introduce a number of improvements in recent years. At the same time, there is still a great need for action.

We have set ourselves ambitious goals for the next few years in order to make our contribution as Schierle Stahlrohre to a sustainable future. To achieve these goals, we rely on the support of our employees and the cooperation of our business partners, because the challenges of transformation can only be mastered together.

Best regards



Marc Schürmann
Managing director



Felix Lichtenberg
Environmental management



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