



## Media information

### GMH Gruppe will showcase Green Power Premium Steel at Wire & Tube

- The carbon footprint of Green Power Premium Steel is approximately 80% lower than conventional material, including scopes 1,2 and 3.
- GMH Gruppe, a pioneer in Green Steel production, will show its Green Power Steel and Green Power Premium Steel for the first time.
- GMH Gruppe to be found at **Wire & Tube Düsseldorf: April 15 to 19, 2024, Hall 12, C 28**

**Osnabrück/Georgsmarienhütte, April 2, 2024.** Wire & Tube - the world's leading trade fair for wire & cable, will open its doors in Düsseldorf from April 15 to 19, and GMH Gruppe will be there once again: The latest key technologies and products from the wire and cable industry will be presented over around 120,000 square meters in Halls 9 to 17 of the exhibition grounds. GMH Gruppe will be showcasing its CO<sub>2</sub> reduced *Green Power Steel* and *Green Power Premium Steel* for the first time.

GMH Gruppe has been a pioneer in Germany for over three decades with its technology, offering steel to the market made with about 59% fewer CO<sub>2</sub> emissions than conventional products with regards to scopes 1, 2 and 3. To achieve this, GMH Gruppe uses almost exclusively metal scraps in electric furnaces.

*Green Power Premium Steel* is a steel produced with 100% renewable electricity and 100% biocarbon, replacing fossil coal. Biocarbon, also known as biochar, is produced by pyrolytic carbonization of plant-based raw materials. Green Power Premium Steel Carbon's footprint can be 78% lower than the conventional steel produced in a blast furnace.

At Wire & Tube, GMH Gruppe will also present *Green Power Steel* that is produced with 100% renewable electricity and produces 74% less CO<sub>2</sub> emissions than conventional steel.

Both products (*Green Power Premium Steel* and *Green Power Steel*) are provided with a certificate of origin issued by the energy supplier. For the Product Carbon Footprint (PCF) of GMH Gruppe, there is also a valid TÜV SÜD calculation. This method of measurement complies with the ISO 14067 and 14044 standards and is in line with the Greenhouse Gas Protocol. This allows the CO<sub>2</sub> footprint of the steel variants produced at Georgsmarienhütte GmbH to be presented transparently and accurately during all production steps, in accordance with the "Cradle to Gate" system limits. The level of detail for each product is particularly noteworthy, as average values and statistical data are often still used for PCF calculations. The PCF calculation is used for more than 1000 possible steel variants.

Dr. Alexander Becker, Chief Executive Officer of GMH Gruppe: *"With our high quality 'Green Power Premium' and 'Green Power Steel' we can support the decarbonization of our customers' products. We are pleased to showcase our solutions to a growing number of customers at Wire & Tube 2024."*

At this year's Wire & Tube, GMH Gruppe will be presenting itself as a leading producer of sustainable bright steel and (tempered) bar steel in the ecoMetals category for particularly sustainable suppliers ([www.wire.de/de/Programm/ecoMetals](http://www.wire.de/de/Programm/ecoMetals)). The various steel grades will be on display at the GMH stand in Hall 12, C 28 from 15 to 19 April.



# GMH GRUPPE

## About GMH Gruppe

GMH Gruppe is a full-range supplier of steel as a primary material, melted from scrap, through to ready-to-assemble components. It is one of the largest privately owned metal processing companies in Europe. The group includes 20 medium-sized production companies in the steel, forging and casting industries, which are represented in more than 50 countries. With around 6,000 employees, GMH Gruppe generates an annual turnover of around two billion euros.

GMH Gruppe is a pioneer in sustainable steel production and has been accepted into the "Association of Climate Protection Companies". Based on the recycling of scrap metal, the company produces green steel and thus makes an important contribution to the circular economy. The use of electric arc furnaces at four sites reduces CO<sub>2</sub> emissions by a factor of five compared to conventional blast furnaces. This also reduces the CO<sub>2</sub> footprint of the customers supplied by GMH. These include companies worldwide from the automotive industry, mechanical and plant engineering, railroad technology, power generation, transport logistics, aerospace, agriculture and construction machinery.

GMH Gruppe has set itself the goal of being completely climate-neutral by 2039.

## About Georgsmarienhütte

Georgsmarienhütte GmbH from Georgsmarienhütte in Lower Saxony is one of Europe's leading suppliers of crude steel, bar steel and bright steel made from quality and engineering steels. The company also manufactures pre-processed and, in some cases, ready-to-install components. Georgsmarienhütte is already one of the most climate-friendly steel companies in Germany. With its comparatively low CO<sub>2</sub> value chain, in which scrap is melted in the electric arc furnace and recycled into new steel, it makes an important contribution to the circular economy and is a pioneer in sustainable steel production. The methodology used by Georgsmarienhütte to calculate the product carbon footprint (PCF) has been validated by TÜV SÜD and is now used for more than a thousand steel variants.

In addition to the automotive industry and its suppliers, customers are served in particular in mechanical and plant engineering and the energy industry. Steel from Georgsmarienhütte is used wherever the load is greatest, where power is generated or transmitted and where safe and wear-resistant operation is important. Further information can be found at [www.gmh.de](http://www.gmh.de).

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