

BENTELER to produce only "green tubes" from 2045

- **BENTELER Steel/Tube announces "green tubes" program: Halving CO₂ emissions by 2030, CO₂ neutrality by 2045.**
- **BENTELER reduces CO₂ in production, supply chain and products.**
- **Sustainable commitment is already part of the corporate philosophy – from sustainable tube solutions to smartly utilized waste heat.**

Salzburg/Paderborn/Lingen, December 16, 2021. As shown and demanded at COP26 in Glasgow in November, industry must act if climate targets are still to be achieved. As a global company in an energy-intensive industry, BENTELER is aware of its responsibility for the environment. Christian Wiethüchter, Managing Director of BENTELER Steel/Tube has announced, "We plan to become CO₂ neutral by 2045." He adds, "To achieve this goal, we initiated our 'green tubes' program in 2020, which focuses on reducing the CO₂ footprint in tube production. Procurement and production play strategic roles in this but our product portfolio also underlines our sustainable focus. This is demonstrated, for example, by our new BENTELER HYRESIST line pipes for hydrogen, which support the development of hydrogen distribution networks."

"Green tubes" program: BENTELER moves towards climate neutrality in steps

The "green tubes" program is specifically concerned with the avoidance of CO₂ emissions. Where this is not possible, the company tries to reduce or compensate. The metal processing specialist's Steel/Tube division plans to halve its total CO₂ emissions by 2030 and become CO₂-neutral by 2045.

To achieve this goal, BENTELER Steel/Tube aims to achieve CO₂ neutrality by 2030 for direct emissions (Scope 1) generated in production and for indirect emissions (Scope 2) generated through the purchase of energy. Emissions on the procurement side (Scope 3¹) will be reduced by 30% in the first step. By 2045, BENTELER Steel/Tube also wants to become CO₂-neutral on the procurement side and thus have greened the supply chain, production and products. Important measures on this path are, for example, the purchase of electricity from renewable energies and the use of CO₂-neutral raw materials in the manufacture of welded tubes.

BENTELER seamless tubes are already particularly sustainable

BENTELER Steel/Tube is well positioned to achieve the targets set by 2045. Steel production at the company's electric steel mill in Lingen, Germany, already generates a total of only around 200kg of CO₂ per ton of steel, through the use of an electric arc furnace and the recycling of steel scrap. By comparison, the blast furnace method produces around ten times this amount. By using renewable energies, the emissions can be reduced to less than 100kg of CO₂ per ton

¹ Excluding the utilization phase as well as "end of life" phase

of EAF (electric arc furnace) steel. BENTELER uses this CO₂-reduced steel for the production of seamless tubes.

Through its sustainable commitment, BENTELER helps to better reconcile climate protection and mobility and at the same time supports its customers in achieving their own climate targets. "We are already certified according to ESG criteria because the issue of sustainability is very important to us. To continue on our path consistently and to prove our increased sustainability targets, we are aiming for renewed certification at the beginning of 2022. In addition, we are planning product-specific certifications. In this way, our CO₂-reduced products can also have a CO₂-reducing effect on our customers' balance sheets", emphasizes Ralf Brunnert, Director SHE & Operation Services, and together with Thomas Begemann, Director Strategy / Communication and Project Management, responsible for the "green tubes" program.

Sustainability as part of the corporate strategy

BENTELER was already working on sustainability before the strategic development of the "green tubes" program. Energy efficiency has been continuously increased at all sites in recent years, for example, through measures such as converting production hall lighting to LED technology or increasing thermal insulation in production halls. Waste heat from BENTELER Steel/Tube's production facilities is also used to heat public facilities – for example in Paderborn and Dinslaken. In this way, the company helps to avoid several hundred tons of CO₂ per year.

A trump card in sustainable tube production: BENTELER's electric steel mill in Lingen, Germany

BENTELER covers the entire supply chain, from CO₂-reduced steel production at its electric steel mill to tube manufacture.

The electric steel mill in Lingen already produces steel exclusively from scrap, resulting in 90% fewer direct CO₂ emissions than the conventional blast furnace method. In addition, BENTELER is looking into alternative raw materials for steel production that are just as CO₂-neutral as recycled steel scrap. For example, a cooperation with RWE and CO2Grab has been formed to test the use of direct reduced iron produced with green hydrogen as a raw material in steel production.

BENTELER seamless tubes are already particularly sustainable.

For the production of seamless tubes, BENTELER sources steel from its in-house electric steel mill in Lingen. Using steel produced in an electric arc furnace, 500 to 800kg of CO₂ is generated per ton of tube, depending on the amount of added value and production plant. If steel produced in a conventional blast furnace was used, this figure would be at least 1,500 kg CO₂ per ton higher.

Photos and caption:

BENTELER-SteelTube_Managing Director Christian Wiethüchter with Program Leaders Ralf Brunnert and Thomas Begemann.jpg:

BENTELER Steel/Tube is working to reduce its carbon footprint in tube manufacturing as part of its "green tubes" program. (Shown in the picture: Ralf Brunnert, Christian Wiethüchter, Thomas Begemann; from left to right)

BENTELER-SteelTube_electric arc furnace Lingen.jpg:

The electric steel mill in Lingen already produces steel exclusively from scrap, resulting in 90% fewer direct CO₂ emissions than the conventional blast furnace method.

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About BENTELER

BENTELER is a global, family-owned company serving customers in automotive technology, the energy sector and mechanical engineering. As metal processing specialists, we develop, produce and distribute safety-related products, systems and services worldwide.

In the 2020 financial year, Group revenues were €6.358 billion. Under the management of the strategic holding BENTELER International AG, headquartered in Salzburg, Austria, the Group is organized into the Divisions BENTELER Automotive and BENTELER Steel/Tube. Our around 27,000 employees at 98 locations in 28 countries offer first-class manufacturing and distribution competence – all dedicated to delivering a first-class service wherever our customers need us. BENTELER. The family of driven professionals. Since 1876.

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About BENTELER Steel/Tube

BENTELER Steel/Tube develops and produces seamless and welded quality steel tubes. As one of the leading manufacturers, we offer our customers solutions worldwide, along the entire value chain – from material development to tube applications. In this way we create tailor-made tube products for the automotive, energy and industry market segments.

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