

MEDIA INFORMATION

Sustainable Construction: BENTELER Steel/Tube supplies CliMore® tubes to the construction industry

- **BENTELER and FRIEDR. ISCHEBECK GMBH are working together to make the construction industry more sustainable: Environmentally friendly tube solutions will be used for micropile applications.**
- **Sustainable product brand gains market presence: BENTELER Steel/Tube supplies CliMore® tubes for the construction industry from its Dinslaken plant.**
- **Certified emission records provide transparency: When buying CliMore® products, customers know exactly what their CO₂ footprint is.**

Paderborn, November 12, 2024. BENTELER Steel/Tube and Ischebeck are setting new standards in sustainable construction: Seamless CliMore® tubes from the BENTELER plant in Dinslaken will be used in pioneering geotechnical applications. Specifically, these high-quality steel tubes will be used in the construction industry as micropiles or ground nails for foundation and stabilization. The steel load-bearing elements transfer compressive and tensile loads under both dynamic and static conditions into the surrounding soil or rock structure. Ischebeck is the market leader in the field of geotechnical applications and is the first customer from the construction industry to opt for the use of CO₂-reduced tubes made from EAF (electric arc furnace) steel. This makes the company a pioneer with the first micropiles made from CO₂-reduced steel while improving its own carbon footprint at the same time.

"With our CliMore® products, we are setting a strong example for sustainable construction. By using green electricity, we were able to nearly halve emissions in this case – from 1,468 kg of CO₂ per ton of steel to 834 kg of CO₂," explains Ralph Mathis, Chief Sales Officer of BENTELER Steel/Tube. "Our customers can trust that our products deliver not only the highest quality but also a more sustainable solution for their construction projects. And verifiably so."

Sustainable micropile solutions: Innovative and environmentally friendly

By choosing CliMore® tubes, Ischebeck is taking a pioneering role as a market

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leader. The company is the first provider of micropiles manufactured from CO₂-reduced steel. These sustainable tubes are particularly well-suited for this application and other demanding construction uses. In contrast to conventional solid bar commonly used for anchoring, Ischebeck uses a tubular solution. This lightweight construction variant uses hollow bar thereby saving materials, which further enhances its lower carbon footprint. The joint solution is therefore not only a technological leader, but also a decisive factor for environmentally conscious construction companies and the awarding of contracts in the public sector (EU Green Deal).

In addition to meeting environmental requirements and improving the carbon footprint, the use of CO₂-reduced CliMore® tube as hollow bar helps reduce material and energy costs. "We are proud to have found a partner in BENTELER that shares our vision of sustainable construction," says Björn Ischebeck. "With CliMore® tubes, we can offer our customers environmentally friendly solutions that also meet high technical standards."

Full transparency: certified emission records

Since June 2024, BENTELER Steel/Tube's CliMore® products are supplied with certified emission records that clearly indicate the carbon footprint in accordance with ISO 14067. This transparency enables customers to make informed decisions and actively pursue their sustainability goals. The CliMore® tubes are produced from steel sourced from BENTELER's EAF steel plant in Lingen, which recycles steel scrap and is powered by 100% green electricity. This approach allows the tube manufacturer to reduce CO₂ emissions by up to 80% compared to conventional blast furnace steel.

"Our customers today need detailed emission records to meet both internal sustainability goals and legal requirements such as sustainability reporting," explains Ralph Mathis. "The collaboration with Ischebeck demonstrates that sustainability is gaining importance in the construction industry – and that BENTELER already delivers the right solutions."



BENTELER_Ischebeck: Setting new standards in sustainable construction (f.l.t.r.): Dennis Pospischil (BENTELER Steel/Tube), Björn Ischebeck, Ralph Mathis (BENTELER Steel/Tube), Uwe Nieselt (Ischebeck).

About BENTELER

BENTELER is a global 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 doing so, we are guided by our corporate values of courage, ambition and respect.

In the 2023 financial year, Group revenues were around €8.8 billion.

The BENTELER Group is managed by BENTELER International AG, based in Salzburg, Austria. Our around 23,000 employees at 86 locations in 26 countries offer first-class manufacturing and distribution competence – all dedicated to delivering a first-class service wherever our customers need us.

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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.

Launched in 2023, the CliMore® product family saves up to 85% of CO₂ emissions compared with conventional steel production by using green electricity and recycled materials instead of ore. This enables our customers to effectively reduce their upstream emissions from purchased materials and thus achieve their climate targets.

About FRIEDR. ISCHEBECK

FRIEDR. ISCHEBECK GMBH is one of the world's leading manufacturers of products for geotechnical, formwork and trench shoring systems for the construction industry. The family-run company, now in its fifth generation, develops and manufactures products in Germany that strictly adhere to German and international standards. FRIEDR. ISCHEBECK GMBH operates in 19 countries worldwide with a total workforce of approx.. 650 employees.

www.ischebeck.de
