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SSAB and Putzmeister start partnership in fossil-free steel for concrete pumps and concrete mixers

SSAB has entered into an agreement with global construction equipment manufacturer Putzmeister to supply future fossil-free steel for use in products such as concrete pump trucks and concrete mixers. As the construction and manufacturing industries are responsible for a significant share of global carbon emissions, joint efforts are needed.

SSAB and Putzmeister have a long history of partnership and technical cooperation. By using Strenx® high-strength structural steel and Hardox® wear plates from SSAB in new and innovative ways, Putzmeister has developed very strong and lightweight truck chassis, booms for truck-mounted concrete pumps and concrete mixer drums. The lighter machines increase machine performance but also reduce the carbon footprint.

Now the two companies have signed an agreement to take the next step. By replacing conventional steel with steel produced using the unique HYBRIT® technology, a significant part of the carbon footprint can be eliminated. The HYBRIT® technology, developed by SSAB in partnership with mining company LKAB and energy company Vattenfall, uses green hydrogen and fossil-free electricity instead of coking coal to make steel, thus largely eliminating the heavy CO₂ emissions associated with traditional steel production. This revolutionary process emits water as the main by-product instead of CO₂.

"We are delighted to welcome Putzmeister as a new global partner. By choosing steel produced with HYBRIT® technology, Putzmeister is demonstrating that it is possible to reduce the carbon

footprint of construction equipment while keeping the same high quality of steel," says Thomas Hörnfeldt, VP of Sustainable Business at SSAB.

"As a leading manufacturer in the construction equipment sector, we are aware of our impact and responsibility for the environment. Reducing the carbon footprint of our construction equipment is one of Putzmeister's key priorities for the future. By partnering with SSAB, we will be able to offer construction equipment with a significantly lower carbon footprint and set a new standard for efficient and sustainable construction," says Alexander Diez, Head of Group GRC & Sustainability at Putzmeister.

Traditional steel production accounts for around 7% of global CO₂ emissions, with both primary steel and recycled steel production contributing to emissions.

To reduce the climate impact, SSAB is investing in new innovative production technologies that will enable steel production with close to zero fossil carbon emissions, regardless of whether the raw material is scrap and primary iron ore.

SSAB Zero™ is based on recycled steel and produced with fossil-free electricity and biogas and is available for commercial deliveries since 2023. SSAB's fossil-free steel is made from iron ore with the HYBRIT® technology. In 2021, SSAB produced the world's first fossil-free steel as a proof of concept using HYBRIT® technology and has since made several pilot deliveries to customers in different industries.

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About the Putzmeister Group

The Putzmeister Group develops and produces machinery of high technological quality in the fields of concrete conveying, truck-mounted concrete pumps, stationary concrete pumps, placing booms and accessories, plant technology, conveying viscous industrial materials through pipes, concrete spraying and transport in tunnels and underground, mortar machines, plastering machines, screed conveying, injection and specialist applications. Market segments include the construction industry, mining and tunneling, large industrial projects, power plants and sewage treatment plants, as well as waste incineration plants, all over the world.

The company is based in Aichtal. With around 4,000 employees, the company generated sales of around 1 billion euros in the 2023 financial year.

About SSAB

SSAB is a Nordic and US-based steel company that builds a stronger, lighter and more sustainable world through value added steel products and services. Working with our partners, SSAB has developed SSAB Fossil-free™ steel and plans to reinvent the value chain from the mine to the end customer, largely eliminating carbon dioxide emissions from our own operations. SSAB Zero™, a largely carbon emission-free steel based on recycled steel, further strengthens SSAB's leadership position and our comprehensive, sustainable offering independent of the raw material. SSAB has employees in over 50 countries and production facilities in Sweden, Finland and the US. SSAB is listed on Nasdaq Stockholm and has a secondary listing on Nasdaq Helsinki. Join us on our journey! www.ssab.com, Facebook, Instagram, LinkedIn, X and YouTube.