

PRESS RELEASE

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Tenova to Supply Germany's Largest Electric Arc Furnace for HKM's Transformation

The installation will transform the Duisburg steelworks into a low-emission steelmaking plant.

Castellanza, August 3, 2026 - **Tenova**, a leading developer and provider of sustainable solutions for the green transition of the metals industry, will supply the **Electric Arc Furnace (EAF)** for the transformation of **Hüttenwerke Krupp Mannesmann (HKM)** in Duisburg, Germany, into a low-emission steelmaking plant. The electric arc furnace, with its design capacity of **2.5 million tons per year**, will rank as the largest in Germany and one of the largest in Europe, joining a portfolio of ultra-large EAF installations delivered by Tenova across the continents. The EAF will be equipped with Tenova's **Consteel®** continuous scrap charging technology and the **Electro Magnetic Stirring (EMS) System**, developed in partnership with ABB. The new installation will become the technological heart of HKM's transition toward low-emission steel production, supporting the long-term transformation strategy of its new owner, **Salzgitter AG**.

This investment marks the beginning of a new chapter in the history of the Duisburg-Huckingen steelworks, one of Germany's historic steel production sites. By replacing the existing blast furnace route with electric steelmaking, HKM will significantly reduce the carbon footprint of its operations while ensuring future competitiveness of the plant. As one of the most significant industrial transformation projects currently underway in the European steel industry, it demonstrates how advanced process technologies can combine with operational excellence to foster sustainable decarbonization.

The project builds on Tenova's long-standing leadership in ultra-large, continuously charged EAFs and represents the latest evolution of a proven technological package integrating **Consteel®** and **EMS**. This combination reliably delivers outstanding productivity while allowing maximum flexibility in the use of raw materials. At the same time, it reduces energy consumption, minimizes environmental impact and limits disturbances to the power grid, further enhancing the overall efficiency and sustainability of the steelmaking process.

Tenova's scope of supply includes a **285t Consteel® EAF**, complete with auxiliary plants on a turnkey basis. The furnace is designed to deliver a continuous production rate of **380t per hour** to the existing secondary metallurgy line and slab caster, enabling production of high-quality flat steel products, including grades meeting the stringent standards of the automotive industry for exposed body parts. The new facility will be installed in a dedicated building within the HKM production site.

*"The awarding of the contract for the electric arc furnace represents a significant milestone for HKM and for the future of our site," commented **Andreas Betzler**, spokesperson for HKM's management. "We reached this decision after an intense period of technical and contractual negotiations in which numerous colleagues worked with great dedication, in-depth expertise, and great professionalism as we all knew we had to define and select a technological solution*

capable of operating efficiently and reliably while respecting stringent environmental and safety requirements."

Paolo Stagnoli, Sales and Marketing Director EAF&LF at Tenova, stated: *"It took almost two years of joint studies and intensive discussions between HKM and Tenova to define this ambitious project and fine-tune the technological solution to the unique constraints and needs of the productive site. We are extremely proud of having gained the trust of HKM and having received this confirmation from Salzgitter AG. We will leverage our experience with similar furnaces to make a significant contribution to this project's success. The electric arc furnace at HKM will be the most powerful and energy-efficient in Germany, and one of the most productive worldwide. This decision to adopt our technology for one of the most significant transformation projects in the European steel industry demonstrates once again that industrial competitiveness and decarbonization can successfully go hand in hand."*

The project further strengthens Tenova's position as a leading technology partner for the steel industry's transition toward low-carbon production and confirms the growing adoption of Consteel® technology worldwide.

About Tenova

Tenova, a Techint Group company, is a worldwide partner for sustainable, innovative, and reliable solutions in the metals and – also through the well-known TAKRAF and DELKOR brands – in the mining industries. Tenova leverages a workforce of over 2,500 forward-thinking professionals located in 18 countries across 5 continents, who design technologies and develop services that help companies reduce costs, save energy, limit environmental impact, and improve working conditions.

For more information, visit tenova.com.