

Green Steel World 2023: thyssenkrupp Steel presents technologically leading concept for decarbonizing steel production

- thyssenkrupp Steel is presenting tkH2Steel®, an innovative and technologically leading concept for decarbonizing steel production
- bluemint® Steel is already available today, a steel from Duisburg with significantly reduced CO₂ intensity
- Messe Essen, April 4 and 5, 2023, Hall 5, booth D07

The inaugural Green Steel World tradeshow is being held in Essen, Germany in 2023. At this event on April 4 and 5, 2023, experts from all over the world will be able to exchange opinions on the latest developments and technologies in green steel. thyssenkrupp Steel will also be present at the exhibition and conference. In Hall 5, booth D07, the company will be offering visitors the opportunity to talk to experts about ways of reducing CO₂ emissions in the steel sector.

During Green Steel World, experts from thyssenkrupp Steel will be presenting tkH2Steel®, an innovative and technologically leading concept for decarbonizing steel production. Visitors will be able to discover more about the Duisburg-based company's path to carbon-neutral steel production: thyssenkrupp Steel has set itself the goals of producing carbon-neutral steel by 2045 at the latest, as well as cutting CO₂ emissions by well over 30% by 2030. In line with this, the Duisburg steelmaker will be presenting bluemint® Steel, its steel with significantly reduced CO₂ intensity which is already available today. bluemint® products are already in use, and visitors will be able to see for themselves the areas of application in which CO₂ is already being saved with bluemint® Steel today.

One of the world's largest industrial decarbonization projects gets underway

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At the beginning of March this year, thyssenkrupp Steel placed an order with SMS group, Düsseldorf, for the engineering, delivery and construction of the first hydrogen-powered direct reduction plant at the Duisburg location. This marks the start of one of the biggest industrial decarbonization projects worldwide, which at one stroke will prevent more than 3.5 million metric tons of CO₂ per year in the future. The plant will have a capacity of 2.5 million metric tons of directly reduced iron (DRI), and is scheduled for completion by the end of 2026. This means the steelmaker based in Duisburg is now starting to replace CO₂-intensive steel production with climate-friendly technologies as part of the tkH2Steel® transformation concept.

Presentation:

Tuesday April 4, 2023

bluemint® Steel: Decarbonization of Steel Production

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