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|  | Steel Europe |
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|  | 06.10.2020  Page 1/1 |

**thyssenkrupp Steel places contract with Tenova** **for the construction of new walking beam furnace at the Duisburg site**

thyssenkrupp Steel has placed the contract for the supply of a walking beam furnace for the hot strip mill at the Duisburg-Beeckerwerth site with Tenova LOI Thermprocess. The Essen-based company is one of the leading international manufacturers of industrial furnace systems. The new unit is to further improve the surface quality of premium sheet steel, which is, for instance, used for exterior car body shell parts. thyssenkrupp had made the decision to invest in a new furnace a few weeks ago.

The scope of contract includes the engineering, the largely turnkey supply of the complete equipment and the supervision of erection and commissioning, including staff training.

The furnace will have a capacity of 380 t/h and be integrated into the existing plant infrastructure. Tenova will supply the complete furnace system, including charging roller table and charging machine, as well as the necessary electrical, measurement and control equipment. The new walking beam furnace will be equipped with a combustion air preheating system, which will significantly reduce energy consumption in the hot strip mill. Moreover, a sophisticated automation system ensures reliable control and energy efficiency. The plant will replace an older unit and be installed directly next to an existing walking beam furnace also supplied by Tenova.

“We have opted for Tenova because of the large number of references for comparable plants“, explains Dr Arnd Köfler, CTO at thyssenkrupp Steel. “The short realization time was another important criterion. The new plant is scheduled to be commissioned in mid-2022“.

Contact:

thyssenkrupp Steel Europe

External Communications

Mark Stagge

P: +49 203 52 - 25159; +49 173 59 71 798

[mark.stagge@thyssenkrupp.com](mailto:mark.stagge@thyssenkrupp.com)

[www.thyssenkrupp-steel.com](http://www.thyssenkrupp-steel.com)