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SMS group has been selected for the plate mill modernization

### **SMS group to supply new 100-ton-per-hour furnace for NLMK Dan Steel's existing plate mill**

On March 6, 2019, SMS group ([www.sms-group.com](http://www.sms-group.com)) signed an order covering the supply of a new 100-ton-per-hour walking beam furnace to be installed in the existing plate mill, which was supplied by SMS group too, of NLMK DanSteel A/S located in Frederiksvaerk near Copenhagen. The new furnace will include a broad range of innovations with the combination of SMS DigiMod combustion management system, SMS ZeroFlame burners and SMS GeniusCM® system for predictive maintenance ensuring very good results in terms of low fuel consumption, reduced scale formation and pollutant emission that comes with NOx values lower than 100 mg/Nm<sup>3</sup>. The new walking beam furnace will be able to reheat a wide spectrum of slabs in the weight range from 3.1 up to massive 62 tons for use in structural, shipbuilding, boiler and pressure vessel applications. In terms of material weights handled, this furnace will hence be the largest one ever built by SMS group. Plant commissioning and start-up are scheduled for the beginning of 2021.

The scope of supply includes roller tables for slabs handling. The modern water treatment plant features an energy recovery system which uses the energy from the furnace for internal and external heating purposes. Further included in the project are the integration of a level-2 automation system, turnkey supply and extensive pre-assembling in order to facilitate installation and supervision activities.

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SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It has some 14,000 employees who generate worldwide sales of more than EUR 3 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.

NLMK DanSteel is a private company 100-percent owned by NLMK International B.V., The Netherlands, and was established in 2002 on the basis of the former Danish Steel Works Ltd. which was founded in 1940. Since then, it has expanded and developed continuously. Now, it is part of the Russian NMLK Group.

(30 Zeilen à max. 65 Zeichen)

Hot slab on furnace exit roller table.

Signing ceremony, from left to right:

Thierry Markey, Category Manager NLMK Europe; Brijesh Garg, Director Procurement NLMK Europe; Riccardo De Michielis, Sales Manager SMS group, RHF technologies; Simone Zussino, Vice President, SMS group, RHF technologies; Igor Sarkits, CEO, NLMK DanSteel;

Yuriy Bokachev, Technical Director, NLMK DanSteel; Allan Thomasen, Project Manager, NLMK DanSteel.