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PRESS RELEASE

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HSD[®] success story to be continued

SMS group upgrades rolling mill of Daehan Sinpyeong with new quenching and HSD[®] lines

South-Korean Daehan Steel Co. Ltd. has placed an order with SMS group (www.sms-group.com) for a bar mill modernization. This new order further strengthens the longstanding cooperation between SMS group and Daehan Steel.

The rolling mill in Daehan's Sinpyeong works located in the Busan area is designed to produce 130 tons per hour of rebar in diameters from 16 to 32 millimeters up to grade SD 500.

The modernization project will comprise the replacement of the existing quenching line with a new one designed with latest technology from SMS group, including systems for precise pressure control and exact setting of the water flow rates. In addition, two dividing shears with associated pinch rolls and a bar braking system will be supplied, as well as a HSD[®] (High Speed Delivery) line that will be integrated into the existing cooling bed. With this new HSD[®] system, Daehan will be able to feed bars onto the cooling bed via rotating channels, which are precisely synchronized with the soft bar braking unit, the cooling bed cycle movement and the bar position monitoring system. Furthermore, the bars can be cut to all product sizes at any speed. The shears cut bars in diameters up to

32 millimeters. Due to the dedicated control system, the shears provide very tight cutting tolerances even at maximum speed. The newly supplied equipment will be fully integrated by way of an automation package from SMS group.

The main objective of the modernization is to reduce the ferro-alloys content in the billets, which will result in a substantial cost reduction. The upgrade is also aimed at increasing the product range. With the new SMS group equipment Daehan will be able to add 13 millimeter rebar to the size range and produce new steel grades up to SD600.

This latest reference underpins SMS group's modernization expertise and strengthens the longstanding partnership with Daehan.

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From left:

Tae-Heon Kim, Production Manager, Daehan Steel; Young gi Lee, Plant Manager, Daehan Steel; David Maurizio, Area Sales Manager, SMS group S.p.A.; Jong-An Park, Senior Managing Director, Daehan Steel; Meoung-Jong Jeon, Vice President, SMS group GmbH Korea Branch.

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 about EUR 3 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.