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PRESS RELEASE

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X-Cast® combination continuous caster at Peiner Träger: Casting of slabs and beam blanks successfully completed

At Peiner Träger GmbH, a company of the Salzgitter Group, located at Peine in Germany, the first slabs have been successfully cast on an X-Cast® combination continuous caster revamped by SMS Siemag, followed by the casting of beam blanks after the section-size change. The existing continuous caster for beam blanks was extended into an X-Cast® combination caster for the production of steel slabs or beam blanks, as required. The continuous caster No. 2 of Peiner Träger is therefore the first combination caster in Germany for the casting of beam blanks and slabs.

The X-Cast® two-strand combination caster is designed for the production of slabs with a thickness of 250 mm and widths from 500 to 1,100 mm. The combination caster also produces beam blank sizes with the dimensions 1,150 x 490 x 130 mm and 800 x 440 x 130 mm. This means that the world's widest beam blank size is produced on the beam blank caster.

The scope of supply of SMS Siemag comprised all strand guiding components required for the continuous slab caster, the slab mold as well as the X-Pact[®] electrical and automation package including the technological process models. Pinch roll units 3 and 4 (driven segments 8 and 9) are used for all casting shapes, i. e. for slabs and beam blanks, and need not be replaced when the section size is changed. In this way, changing times can be reduced and production increased. SMS Siemag also supplied segments for the beam blank caster. A design innovation is the ability to replace segments 3 to 5 by the equipment required for the blow-off device and the edge heater. In total, SMS Siemag has supplied 40 segments.

Within the scope of an ambitious investment program, Peiner Träger has additionally placed an order with SMS Siemag for the supply of an X-Melt[®] electric steelmaking plant. Once this steelworks has been commissioned, scheduled for this year, the current annual capacity of some 1 million t of steel will be almost doubled while meeting the increased demands placed on the steel quality.

At the Peine location, the so-called Peiner Träger ("Peine Beams") which are renowned worldwide, are produced, as well as a great many sectional steel grades, such as European steel beams, sheet piling sections and special sections.

(38 lines with max. 55 letters)

Captions:

Fig. 1: The first slabs produced on the X-Cast[®] combination caster for slabs and beam blanks in the works of Peiner Träger, Germany.

Fig. 2: The first beam blanks produced on the X-Cast[®] combination caster for slabs and beam blanks in the works of Peiner Träger, Germany.

SMS Siemag AG is a company of the SMS group, which is, under the roof of the holding SMS GmbH, a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It consists of the two Business Areas SMS Siemag and SMS Meer. In 2009, some 9,000 employees worldwide generated a turnover of more than EUR 3.8 bn.