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## **PRESS RELEASE**

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### Order for SMS Demag AG

#### **Salzgitter orders fourth continuous caster**

Salzgitter Flachstahl GmbH (SZFG), Germany, has placed an order with SMS Demag, a company of the SMS group, Germany, for the supply of an slab caster X-Cast in Salzgitter (SGA 4). The single-strand caster designed as a bow-type caster will produce slabs of widths ranging from 1,100 to 2,600 mm in thicknesses of 250 and 350 mm.

SMS Demag's order scope comprises the basic and detail engineering, the supply of all mechanical components and the complete X-Pact<sup>®</sup> electrical and automation systems, including control systems and process models. In addition, the supply spectrum includes solid structures and structural steelwork, a new water supply and treatment system as well as the erection, commissioning and supervision. The order will be handled on a turnkey basis.

The equipment of the caster includes several Intelligent Slab Casting (ISC<sup>®</sup>) modules which determine quality and production. Among these are the hydraulically driven resonance oscillation system, remote-controlled mold narrow faces for width change during casting and the position-controlled CYBERLINK segments for performing Dynamic Soft Reduction.

The production of slabs of a high internal quality is thus guaranteed through the above in combination with the width-dependent air-mist secondary cooling and the Dynamic Solidification Calculation process model.

Also, in order to cast steel grades with critical crack susceptibility on the continuous caster in a reliable and productive manner, the machine has been designed as a bow-type caster with a constant radius of 11.5 m. This design minimizes the stresses in the strand shell and enables excellent surface quality.

Salzgitter Flachstahl will be using the machine to cast highly demanding micro-alloyed steels, heavy-plate grades and sourgas-resistant tube and pipe grades according to the API-5L and HIC standards. Thanks to the new continuous caster with slab thicknesses of 250 and 350 mm, SZFG will be enhancing its steelworks capacity. The thickness option of 350 in particular makes it possible to provide slabs for heavy-plate production in promising, completely new dimensional ranges.

Commissioning of the plant is scheduled for the beginning of 2010.

The three existing continuous casters CCM 1-3 at Salzgitter Flachstahl have also been supplied and put into operation by SMS Demag.

X-Cast is an SMS Demag trademark from the Continuous Casting Division. It is the brand name for plants and technologies that set standards for the economical production of high-quality slabs.

(45 lines with max. 55 letters)

SMS GmbH is the holding of 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 Demag and SMS Meer, which jointly form SMS metallurgy. In 2007, some 8,000 employees worldwide generated a turnover of about EUR 3.0 bn.