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PRESS RELEASE

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Successful startup

Turnkey steelworks at Celsa

For Celsa Steel (UK) Limited, a member of the Celsa Group, SMS Demag AG, Germany, successfully commissioned a turnkey steelmaking plant with a downstream continuous billet caster from Concast AG, Switzerland. The facilities are installed at the customer's operations in Cardiff, Wales.

Acting as consortium leader, SMS Demag provided the engineering and supplied the equipment for the steel plant. The continuous casting machine came from Concast. Designed for an annual production of 1.2 million t, the plant will use 100 % recycled steel scrap as charge material.

The EAF meltshop for carbon steel consists of a 140-t AC ARCESS[®] electric arc furnace with electric bottom tapping, a 140-t ladle furnace as well as the associated dust extraction facilities. The six-strand billet caster features the CONVEX[®] technology for rapid high-capacity casting of various section sizes.

The scope of supply also included the complete electro-technical outfit.

The automation supplied by SMS Demag comprises the higher-level sequence controls and the technological process models for the EAF and LF processes. The entire automation system was tested and optimized prior to commissioning. During the test phase, customer's personnel received intensive practical training, and was thus optimally prepared for hot commissioning and the subsequent production process. This allowed "Plug & Work" to be implemented on the plant whereby the startup time could be significantly reduced.

Our supply package also comprised the scrap handling equipment, supply systems for additives and alloying agents including bins and conveyors, ladle servicing equipment, steel ladles and vehicles, the water treatment plant, high-voltage and low-voltage supply systems including transformers as well as supervision of erection and commissioning.

(33 lines with max. 55 letters)

SMS GmbH is the holding for a group of companies internationally active in plant construction and mechanical engineering relating to the processing of steel, non-ferrous metals and plastics. The group is divided on the one hand into the Business Areas SMS Demag and SMS Meer under SMS metallurgy and, on the other hand, into the Business Area SMS Plastics Technology. In the year 2005 some 9,250 employees worldwide generated a turnover of about EUR 2.33 bn.