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PRESS-RELEASE

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Mold Monitoring System for more safety and top-class products

China Steel places an order with SMS group to modernize Continuous Slab Caster No. 4

China Steel Corporation (CSC), Taiwan, has requested SMS group (www.sms-group.com) to revamp its Continuous Slab Caster No. 4 at the Kaohsiung location.

SMS group will be supplying a new hydraulic oscillator drive, including the pump station and the pertaining X-Pact[®] process control system, to replace the existing electro-mechanical drive. For the mold, SMS group is supplying new thermocouples and the technological process models. The level 2 models of the X-Pact[®] electrical and automation system contain Temperature Monitoring (Mold Monitoring System) and the Breakout Prediction System.

The new hydraulic oscillator drive allows setting of the variable oscillation frequency, stroke length and curve shape. The breakout prediction system enables any possible stickers to be recognized already at an early stage and preventive measures to be taken. Monitoring of the process sequence in the mold is provided by temperature measurement via thermocouples on the mold copper plates.

SMS group's range of services also includes the project management, on-site training of the operating personnel and the commissioning supervision.

Start-up is scheduled for the end of 2016.

China Steel has placed this modernization order as a follow-up to the successful implementation of the Mold Monitoring System from SMS group in Continuous Caster No. 7 in the same works.

China Steel operates Taiwan's largest integrated steel plant and produces around ten million tons of steel per year there.

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Main control pulpit on the casting deck of the two-strand continuous slab caster No. 7, China Steel Corp.

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