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PRESS RELEASE

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New secondary cooling system for sophisticated steel grades

ArcelorMittal Bremen to install new HD spray system developed by SMS group in its continuous caster

ArcelorMittal Bremen has placed an order with SMS group (www.sms-group.com) to supply the newly developed HD spray system with air-mist cooling for its continuous slab caster. The modification at the two-strand vertical bending machine is to be completed during a plant shutdown scheduled for the end of 2017.

The HD spray system is a scalable water distribution and control system which, compared to conventional solutions, requires far less space and pipework.

The pneumatically operated water control valves and related automation form the centerpiece of the HD spray system. The secondary cooling water is regulated and distributed only just before the cooling nozzles. This does away with negative influences such as long control lines or pressure losses. What's more, the use of HD spray means a 30 percent reduction in process air consumption.

SMS group's supply scope includes the entire basic and detail engineering, delivery and erection, and supervision of the commissioning.

ArcelorMittal Bremen produces over 3.5 million tons of flat steel every year in its integrated steelworks. Europe's leading automobile manufacturers are among its most important customers.

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The centerpiece of HD spray system: the pneumatically operated water control valves.