

PRESS RELEASE

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Shanxi Taigang reposition themselves with duplex RH plants from SMS Mevac

In November 2011, Taigang Group International Trade Co., Ltd., located in Taiyuan, China, awarded SMS Mevac, Germany, and its consortium partner SMS Siemag Technology (Beijing) Co., Ltd. a contract to supply a new RH recirculation degasser with TOP-lance system and convert the existing fast-vessel-change RH plant supplied by SMS Mevac in 1996 into a duplex RH plant.

The scope of supply includes nearly the complete basic engineering, main parts of the detail engineering, the delivery of key components of mechanical, electrical and instrumentation equipment, the complete level-1 and level-2 automation systems as well as supervision of installation and commissioning. Modernization of the existing RH plant includes the installation of a second treatment position, two new TOP-lance systems, a new four-stage steam-ejector vacuum pump and the replacement of the vacuum alloying system.

Commissioning of the new RH-TOP plant is scheduled to take place in the first half of 2013. Then, the conversion of the existing RH-TOP plant into a duplex plant will be carried out.

Both plants will be designed to treat heats with a nominal weight of 80 t and laid out as duplex plants with two treatment stations. Each treatment station includes a hydraulically actuated ladle lifting system, a metallurgical TOP lance and vacuum lock for the addition of ferroalloys.

The vacuum will be generated by a four-stage steam-ejector vacuum pump with variable pressure reduction (RH-SC) for optimized process control.

Both plants will primarily be used for the treatment of steel for electric sheet production.

SMS Mevac GmbH forms part of the Metallurgical Plant and Rolling Mill Technology Business Area of the SMS group.

(31 lines with max. 65 letters)