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## **TENOVA STARTS UP TWO CONSTEEL® PLANTS IN SOUTH KOREA**

**Milan, November 23<sup>rd</sup>, 2009.** Two new CONSTEEL® plants have been recently started up by Tenova in South Korea, confirming the present booming moment of this innovative melting technology.

The two CONSTEEL® plants are part of the new 2.500.000 tons per year capacity Hot Mill complex located in Asan Bay and owned by Dongbu Steel. Each CONSTEEL® plant is applied to a new 160 ton Electric Arc furnace.

Both the start up of the two new CONSTEEL® + EAF plants, occurred one in July and the other in August, have been very successful. Thanks to the good results reached since the beginning of their operations, Dongbu Steel has issued the Provisional Acceptance Certificates for the both plants.

Each CONSTEEL® plant is composed by a charging and a preheating section, with a total length of around 110 m.

The charging section consists of 2 conveyors in which scrap, Pig Iron and HBI are leant in order to continuously feed the EAF.

The pre-heater section, consisting of 4 refractory lined and 2 water cooled hoods, allows the scrap preheat by recovering the specific heating contained in the fumes and by combusting the related CO to obtain CO<sub>2</sub>.

Thanks to the CONSTEEL® system, Dongbu Steel can also achieve several environmental advantages compared to a traditional top-charged furnace, such as lower CO<sub>2</sub> emission, reduction of dust to dispose and lower noise level.

Tenova designs and supplies advanced technologies, products and services for the metal and mining industries. Tenova operates close to its customers through a network of 33 companies based on the 5 continents. For more information visit our website at [www.tenovagroup.com](http://www.tenovagroup.com).