

PRESS RELEASE

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SIAM YAMATO banks on injector technology from SMS group in EAF modernization and grants FAC

ConSo injector technology works highly efficiently, is maintenance-friendly and provides highest safety



SMS group's ConSo R6 injector technology with a monolithic head, optimized piping and a water-cooled copper box assures an optimized flame length, high safety and high efficiency.

SIAM YAMATO STEEL CO., LTD. has awarded SMS group the final acceptance certificate for the upgrade with ConSo R6 injector technology of the No. 1 electric arc furnace at its Rayong, Thailand, site.

Based on the good experience gained from the modernization of electric arc furnace No. 2 with ConSo R6 injector technology, supplied by SMS group in 2010 along with a complete minimill, SIAM YAMATO decided to have furnace No. 1 revamped in the same way by SMS group.

Based on the good results achieved by the installed highly efficient ConSo R6 injector technology – good performance of coal injection and of the new refractory lining, reduction of electricity, natural gas and oxygen consumption – SIAM YAMATO recently granted SMS group the acceptance for the project.

SMS group supplied five complete ConSo R6 combined oxygen injectors (5 MW each), oxygen and valve stands, a new carbon injection system and the automation system complete with an HMI station. ConSo R6 injectors come with a fully automatic early detection system BDSC (Back-Flash Detection System) to prevent damage of the injectors and the water boxes due to back-flashing flames. The early detection of back-flashing by sensors increases the life of the injector.

By upgrading electric arc furnaces with ConSo injector technology from SMS group, steelmakers can make their furnaces more efficient, more productive, more user-friendly and safer.

SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It has some 14,000 employees who generate worldwide sales of more than EUR 2.9 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.