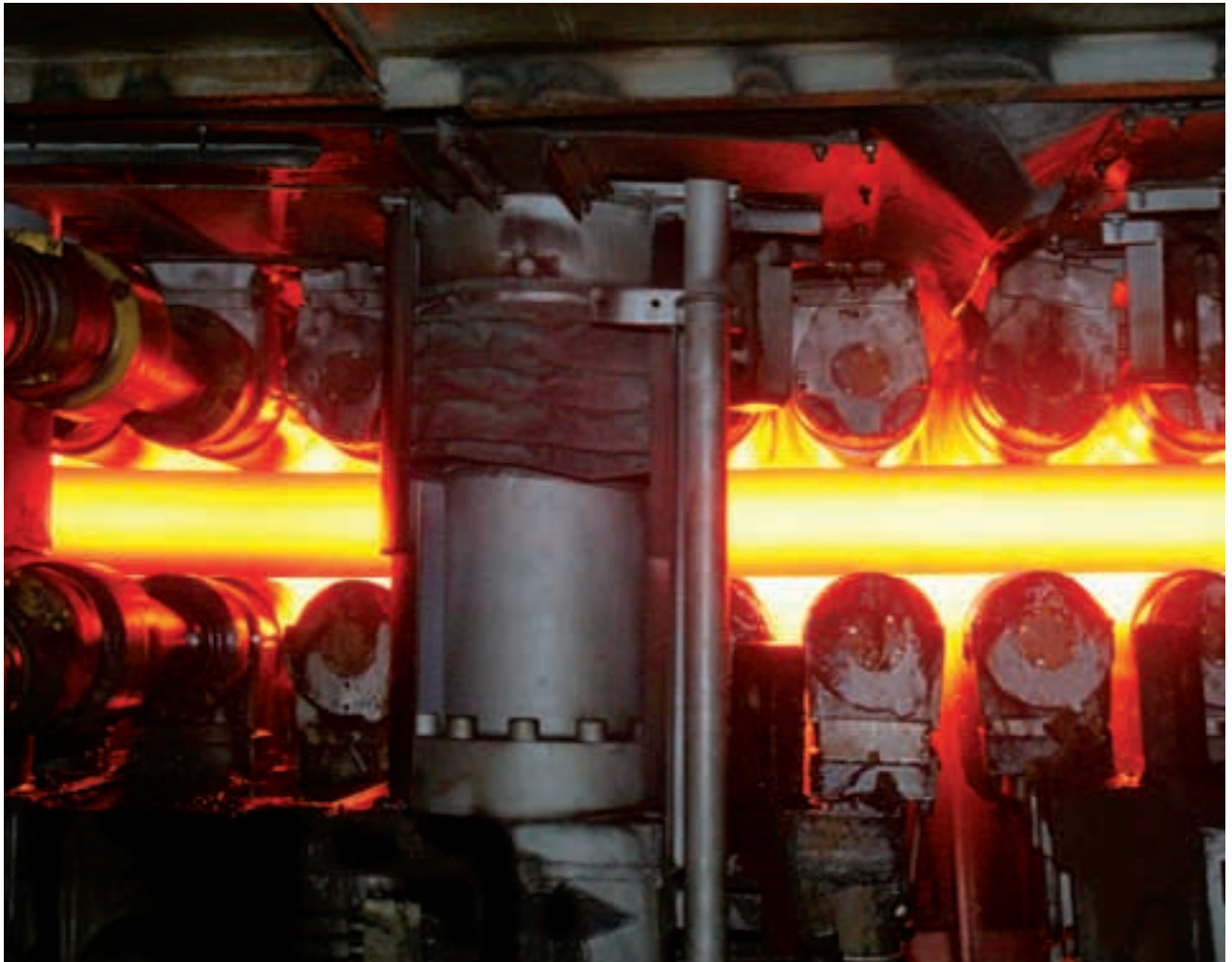


A Smart Solution for JSW Steel, India

To improve the quality of their slabs for the production of special steel grades and to more quickly and efficiently carry out slab-thickness changes, a total of 20 existing segments of a slab caster originally installed by Siemens VAI at JSW Steel Ltd. were upgraded to Smart Segments and equipped with DynaGap Soft Reduction. With this solution, automatic strand-taper/thickness control can be carried out as the basis for achieving best slab-centerline quality, as required for the production of pipeline grades used in the petroleum industry. Furthermore, adaption of the roller-gap settings to cast slabs in thicknesses between 220 and 260 mm can now be remotely carried

out at JSW Steel, keeping caster downtime to a minimum. The caster is capable of producing approximately 1.5 million tons of steel per year.

Following the successful fulfillment of the required guarantee tests, the Final Acceptance Certificate was received at the end of February 2009, within only three weeks after the start-up of the upgraded caster. In the words of Abhijit Sarkar, Deputy General Manager of the steel plant, "The caster with the Smart Segments is progressing well and the quality, especially for API X70 grades, is excellent. We are proud to operate the first caster with Smart Segments in India and to be associated with Siemens VAI." ■



Plant Start-ups and FACs (Jan. 1 to April 30, 2009)

Company	Country	Project
Ahmsa	Mexico	FAC received for Level 2 automation system, including Dynacon Lomas, installed in two LD (BOF) converters
Alchevsk Iron & Steel Works	Ukraine	Start-up of Converter No. 1 and receipt of PAC
Arcelor Mittal Temirtau	Kazakhstan	PAC received for 400,000 t/a bar & section mill
Badische Stahlwerke	Germany	Start-up of upgraded 5-strand billet caster
Baoshan Iron & Steel Ltd.	China	FAC received for plate mill expansion (E/A supply); FAC received for new PLTCM (E/A supply)
Baosteel (Special Steel Branch)	China	Start-up of new 1-strand slab caster
Caparo Merchant Bar	U.K.	FAC received for revamped 350,000 t/a section mill with universal stands
Corus	Netherlands	Start-up of Galvanizing Line DVL3 and receipt of PAC; FAC received for new PLTCM (mechanical and E/A supply) PAC
Egang (Wuhan)	China	Start-up of new plate mill (mechanical and E/A supply)
Gerdau Acominas	Brazil	Start-up of 230-ton RH-T-COB vacuum-degassing plant
Ilva s.p.a Taranto	Italy	Start-up of replaced 2-strand slab caster
JSW Steel Ltd.	India	Start-up of Blast Furnace No. 3, upgraded slab caster equipped with Smart Segments and DynaGap Soft Reduction, and 1,000,000-t/a bar mill with high-speed entry system
Laiwu Steel Group	China	Start-up of plate mill
Lianzhong Stainless Steel Corporation (LISCO)	China	FAC received for stainless steelmaking plant comprising EAF, AOD, ladle furnace, VOD plant and slab caster
Pangang Group Chengdu ISCO	China	FAC received for 900,000 t/a bar & coil mill for special bar quality (SBQ) steels
Posco (Pohang Works)	Korea	FAC received for engineering and delivery of static coolers and power-control system for secondary dedusting system of Steelmaking Plant No. 2
Qinhuangdao Shouqin Metals Materials	China	FAC received for Level 2 automation system for two twin-ladle furnaces
Salzgitter Flachstahl	Germany	Start-up of 240-ton ladle furnace, including automation system. FAC received for process optimization systems supplied for two twin-ladle furnaces and three VD plants.
Siderúrgica de Guatemala SA (Sidegua)	Guatemala	Start-up of wire-rod line
Sigosa	Mexico	Start-up of revamped section mill with universal stands
SSAB Tunplåt	Sweden	FAC received for Level 2 automation system for converter and RH plant
Talleres y Aceros	Mexico	Start-up of 350,000 t/a bar mill
Tangshan Guofeng Iron & Steel Co., Ltd.	China	Start-up of new 2-strand slab caster
ThyssenKrupp Nirosta	Germany	Start-up of AOD Converters No. 1 and No. 2, including upgraded automation systems
Tianjin Iron & Steel Co. Ltd.	China	Start-up of 800,000 t/a high-speed wire-rod mill
Tianjin Rockcheck Metalwork Co., Ltd.	China	FAC received for 700,000 t/a high-speed wire rod mill
Union Iron & Steel	U.A.E.	FAC received for multi-slitting rolling mill
voestalpine Stahl	Austria	Start-up of replaced Converter No. 8 with nominal tapping weight of 180 tons; PAC received for new cold-rolling mill (mechanical and E/A supply)
Xiantan Iron & Steel Co., Ltd.	China	FAC received for 3.8-m-wide plate mill (E/A supply)
Welspun	India	First plate rolled on plate-Steckel mill
Wuyang Iron and Steel Co. Ltd	China	First plate rolled on roughing mill

FAC = Final Acceptance Certificate, PAC = Provisional Acceptance Certificate, PLTCM = Pickling Line and Tandem Cold Mill, E/A = Electrics & Automation