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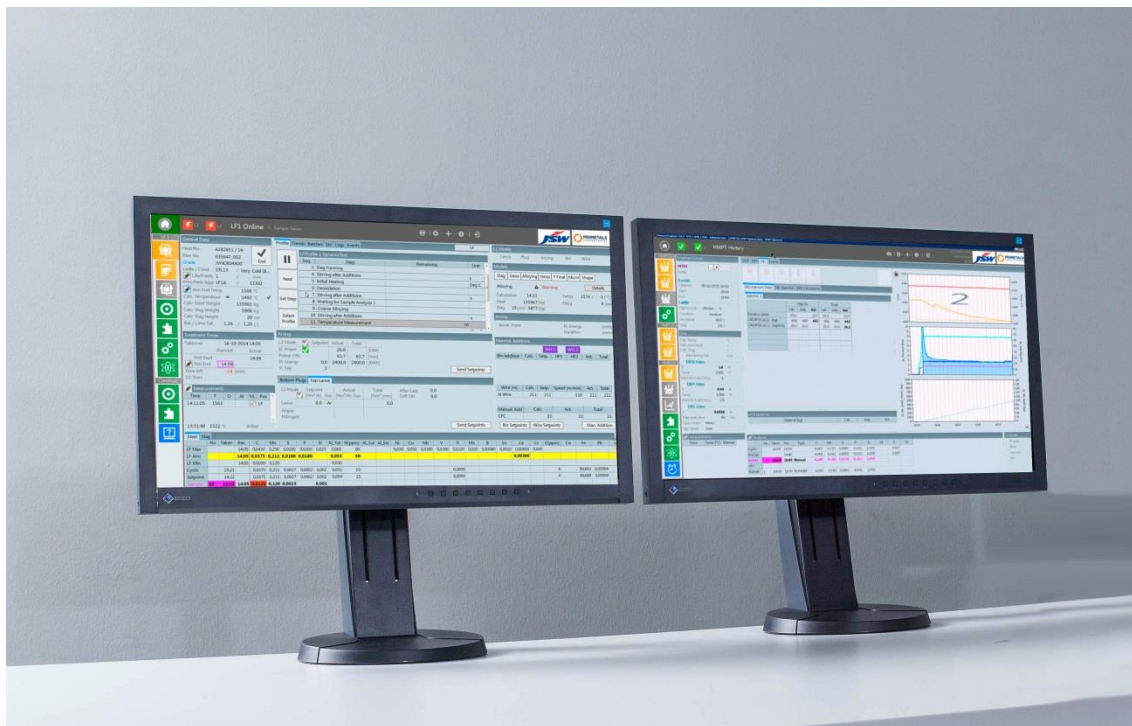
JSW Steel issues final acceptance for new process optimization in two steel works in Vijayanagar

- **New process models improve product quality**
- **Subsystems harmonized and production sequence optimized**

Primetals Technologies has received the final acceptance certificate from JSW Steel for the new process automation system in a total of 25 subsystems in the SMS-1 und SMS-2 steel works in Vijayanagar, in the Indian state of Karnataka. The integrated automation solution also includes production monitoring and ladle tracking systems. It enables production and process data to be exchanged seamlessly between different units, and all subsystems to run with consistently optimized coordination. JSW Steel can now increase production and further improve product quality with the aid of optimized process sequences. The individual units were commissioned in stages within a tight schedule less than twelve months after the contract was signed.

New process automation systems were installed in steel works SMS-1 for two hot metal pre-treatment stations, each with a capacity of 100 metric tons, three 100 metric ton hot metal desulfurization stations, two ladle furnaces, each with a tapping weight of 135 metric tons, and four single-strand continuous slab casters. The existing basic automation system was also modernized in one of the casting machines. The process optimization systems of seven hot metal desulfurization stations and four ladle furnaces were modernized in steel works SMS-2. Both steel works were equipped with a ladle tracking system and central production monitoring. The scope of services also included the engineering and the supply of all the hardware and standard software, as well as the computer networks for both steel works. A user-friendly HMI system simplifies the operation of all plants. Some parts of the new process automation are web-based, and allow selective data access via the company intranet or the Internet. All the production and process data are archived for later evaluation, and can be analyzed in an extensive reporting system.

JSW Steel is India's leading private steel producer, and has an installed annual production capacity of 14.3 million metric tons. The company currently has six plants in India: Vijayanagar in the state of Karnataka, Salem in Tamil Nadu, Tarapur in Vasind, and Kalmeshwar and Dolvi in Maharashtra. JSW Steel is part of the JSW Group, which also runs a plate and pipe plant in the USA.



Example of operator displays installed at steel works SMS-1 and SMS-2 at JSW Steel in Vijayanagar, India

This press release and a press photo are available at www.primetals.com/press/

Contact for journalists:

Dr. Rainer Schulze: rainer.schulze@primetals.com

Tel: +49 9131 9886-417

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Primetals Technologies, Limited headquartered in London, United Kingdom is a worldwide leading engineering, plant-building and lifecycle services partner for the metals industry. The company offers a complete technology, product and service portfolio that includes integrated electrics, automation and environmental solutions. This covers every step of the iron and steel production chain, extending from the raw materials to the finished product – in addition to the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries (MHI) and Siemens. Mitsubishi-Hitachi Metals Machinery (MHMM) - an MHI consolidated group company with equity participation by Hitachi, Ltd. and the IHI Corporation - holds a 51% stake and Siemens a 49% stake in the joint venture. The company employs around 9,000 employees worldwide. Further information is available on the Internet at www.primetals.com.

Primetals Technologies, Limited
A joint venture of Siemens, Mitsubishi Heavy Industries and Partners
Communications
Head: Heiko Huensch

Chiswick Park, Building 11, 566 Chiswick High Road
W4 5YS London
United Kingdom