
London, May 11, 2017

HKM issues Primetals Technologies with final acceptance for modernized LD (BOF) exchangeable-vessel converter plant

- **Converter plant equipped with new trunnion ring**
- **Converter tilting drive overhauled**
- **Modernization lengthens the life of the plant and increases its availability**

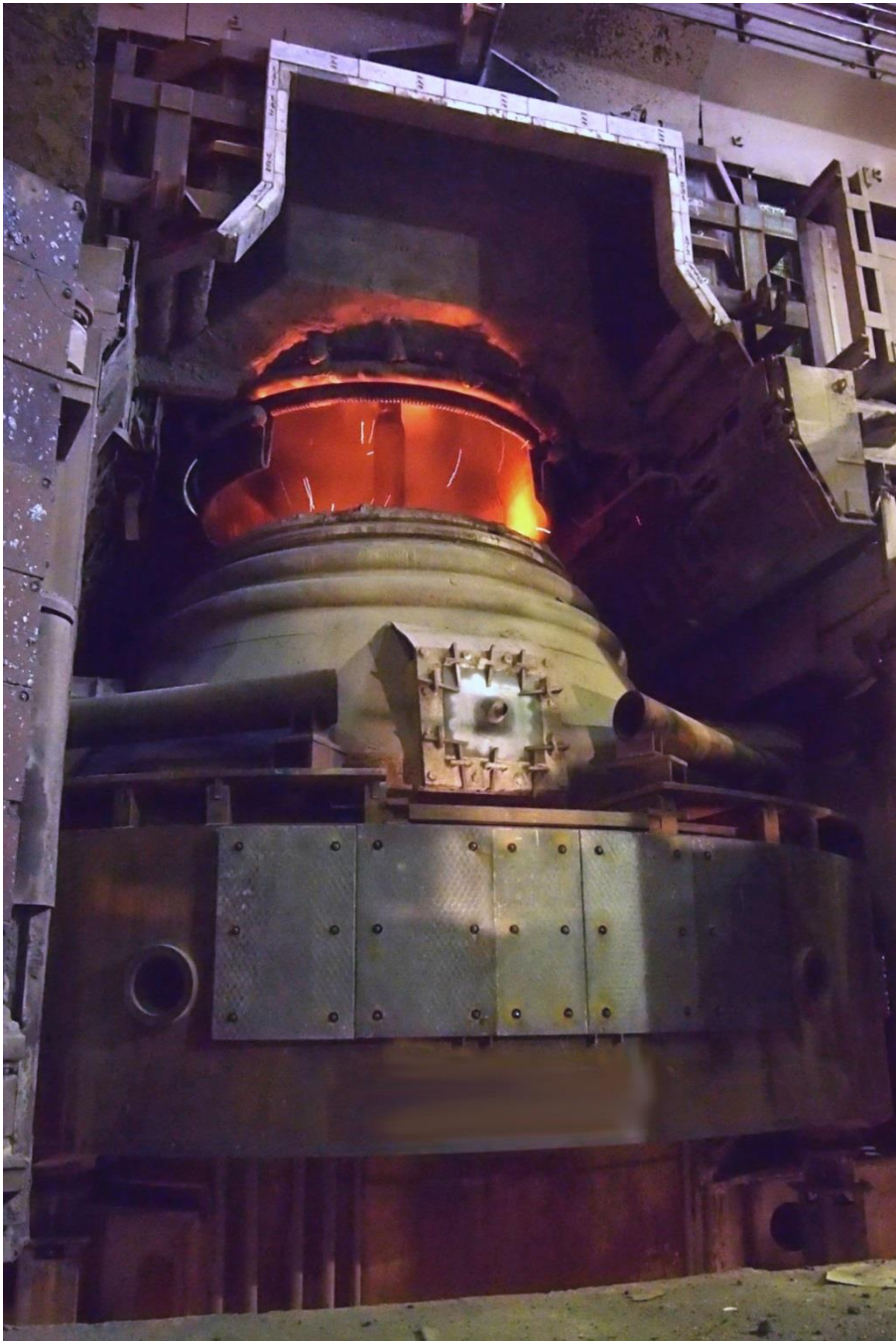
In March, Hüttenwerke Krupp Mannesmann GmbH (HKM) gave Primetals Technologies the final acceptance for the modernized LD (BOF) converter no. 2 in its Duisburg, Germany plant. The project involved equipping the converter plant with a new trunnion ring and new suspension. The tilting drive was also modernized. These measures will help to lengthen the life of the plant and increase its availability. The project was performed in a consortium with Buchinger Anlagen-Stahl-Rohrbau GmbH. The converter has been in hot working since the middle of November 2016.

Hüttenwerke Krupp Mannesmann GmbH (HKM) runs an integrated iron and steel works at its Duisburg Huckingen site. The works is divided into the subsections port, sinter plant, coking plant, blast furnace plant with two blast furnaces, and an LD basic oxygen furnace plant. Two round-steel continuous casters and three continuous slab casters are run in the steel works. Each year, HKM produces more than 1000 different grades of steel. HKM is one of the largest iron and steel works in Germany. It produces around twelve percent of the raw steel produced in Germany, and has a production capacity of some 5.6 million metric tons of steel per annum.

The trunnion ring and the tilting drive of the 300 metric ton converter had reached the end of their service lives. Primetals Technologies was responsible for the detailed engineering of the modernization and also overhauled the tilting drive of the converter. It also supplied the trunnion ring, which was designed for a service life of 30 years and made by a European manufacturer. Primetals Technologies replaced the bull gear, pinion drive shafts and the gear bearings. It also supervised the installation, commissioning and restart of the plant.

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

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



LD (BOF) converter no. 2 modernized by Primetals Technologies for HKM in Duisburg.

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

Primetals Technologies, Limited

A joint venture of Siemens, Mitsubishi Heavy Industries and Partners
Communications
Head: Gerlinde Djumljija

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

Follow us on Twitter: twitter.com/primetals

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 7,000 employees worldwide. Further information is available on the Internet at www.primetals.com.