

London, November 11, 2022

## Primetals Technologies receives FAC for electric steel plant from Gerdau Special Steel North America

- **Project included modernization of existing electric arc furnace**
- **Primetals Technologies supplied a new twin ladle furnace and new material handling system**
- **Overall plant capacity to increase substantially**
- **Comprehensive plant optimization thanks to a high degree of automation and the use of robotic systems**
- **Robotic systems to further improve occupational safety**

Primetals Technologies has received the final acceptance certificate (FAC) from Gerdau Special Steel North America for the modernization of its electric steel plant in Monroe, Michigan, U.S.A. The project included modernizing the existing electric arc furnace (EAF). The electric steel plant was also equipped with a new twin ladle furnace, a new material handling system, and related auxiliary equipment.

### **Increased productivity**

This upgrade has increased the plant's overall annual production capacity of special rolled end products. End-to-end automation and the use of LiquiRob robot systems increase productivity and reliability, optimize workflows in the steelworks, and reduce operating costs. The robotic systems also improve worker safety by performing potentially dangerous tasks, such as taking temperatures and samples.

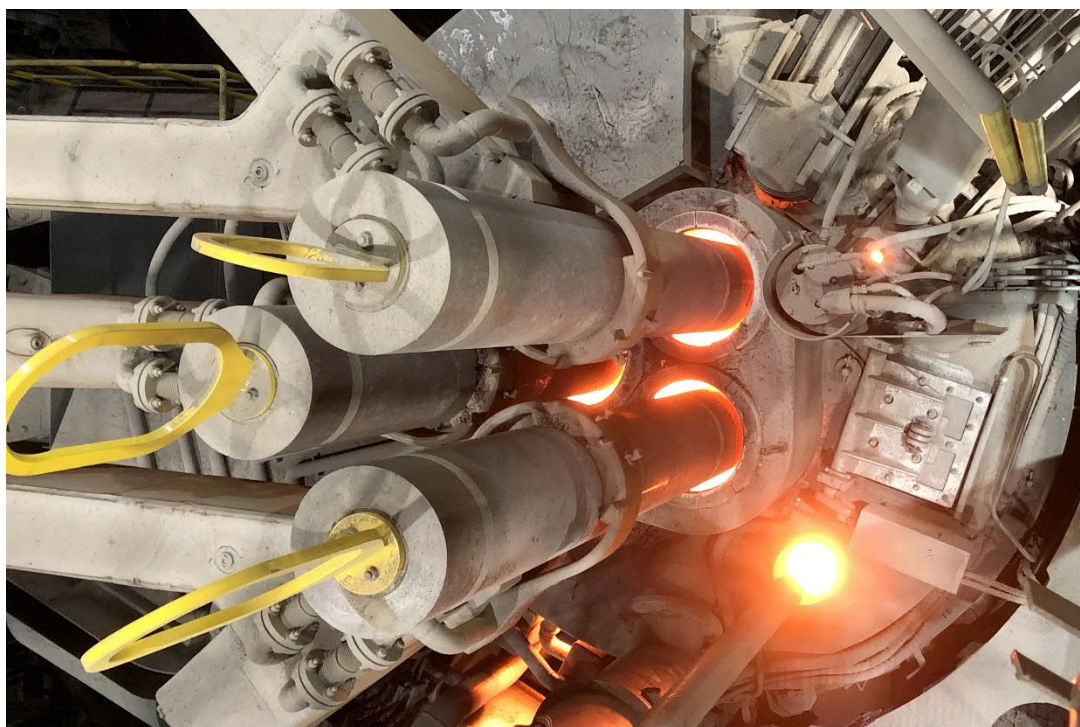
### **A complete package**

Gerdau Special Steel North America is a leading manufacturer of special steel bars, which are mainly used in the automotive industry. Gerdau selected Primetals Technologies based on the overall technical solution proposed. The company also appreciated that Primetals Technologies would provide the complete package — mechanical equipment, electrical and automation equipment, and a high-power EAF revamp solution. Additionally, Primetals Technologies provided a compact and technologically advanced solution for the twin ladle furnace and integrated the new material handling system in accordance with the requirements of the existing plant.

### **Improved safety measures**

This project was part of an investment package to modernize the plant and increase employee health and safety. Primetals Technologies was responsible for engineering and supplying the process equipment for the EAF, the 110-metric-ton twin ladle furnace, the material handling system, auxiliary equipment, and the structural steel work. The company also supervised the construction and

commissioning of all installations. The scope of delivery encompassed the associated electrical installations and automation, the power supply — including transformers, the complete end-to-end process automation, and three LiquiRob systems. Solutions such as automatic sand refilling, a weighing system, and the automated tap hole manipulator are now optimizing EAF operation and increasing worker safety.



Electric arc furnace operated by Gerdau Special Steel North America at the company's electric steel plant in Monroe, Michigan, USA. (photo: Gerdau Special Steel North America).

This press release and a press photo are available at [www.primetals.com/press/](http://www.primetals.com/press/)

**Contact for journalists:**

Björn Westin, Press Officer

[bjorn.westin@primetals.com](mailto:bjorn.westin@primetals.com)

+43 664 6150250

Follow us on social media:

[linkedin.com/company/primetals](https://www.linkedin.com/company/primetals)

[facebook.com/primetals](https://www.facebook.com/primetals)

[twitter.com/primetals](https://twitter.com/primetals)

**Primetals Technologies, Limited**, headquartered in London, United Kingdom, is a pioneer and world leader in the fields of engineering, plant building, and the provision of lifecycle services for the metals industry. The company offers a complete technology, product, and services portfolio that includes integrated electrics and automation, digitalization, and environmental solutions. This covers every step of the iron and

**Primetals Technologies, Limited**  
A joint venture of Mitsubishi Heavy Industries and partners  
Communications

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

steel production chain—from the raw materials to the finished product—and includes the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries and partners, with around 7,000 employees worldwide. To learn more about Primetals Technologies, visit the company website [www.primetals.com](http://www.primetals.com).