PRIMETALS TECHNOLOGIES

Press

London, February 17, 2026

Grid-Friendly Power Solution Active Power Feeder from Primetals Technologies Now Operating at BGH

- **First reference project for groundbreaking power solution in electric steelmaking**
- **Melting tests completed successfully**
- **Container-based design enables smooth installation, even in tight spaces**

BGH Edelstahl in Siegen, Germany, and Primetals Technologies have successfully completed the first melting tests of the Active Power Feeder, a cutting-edge power solution, at BGH's electric arc furnace (EAF). The tests were completed on schedule, and the system enabled stable furnace operation.

The Active Power Feeder represents a major step forward in sustainable electric steelmaking. It uses a patented and proven medium-voltage modular multilevel converter (MMC) in an innovative power control system developed by Primetals Technologies.

Reduced Power-On Times

Compared to conventional technologies, the Active Power Feeder reduces energy consumption and achieves significantly greater flicker reduction than traditional methods. The solution also decreases power-on times compared to static synchronous compensator (STATCOM) technology.

With the Active Power Feeder, the power supply system maintains high power quality that meets utility company requirements, while ensuring low electrical losses and high furnace efficiency.

Flexible Installation

Primetals Technologies integrated the Active Power Feeder into BGH's existing EAF system using a container-based design. The system is installed approximately 200 meters from the furnace on a rooftop, highlighting its flexibility in installation. Extensive pretesting at Primetals Technologies' test facilities ensured a smooth commissioning process.

The solution can be easily added to both existing and new EAFs, even where space is limited.

The Active Power Feeder solution at BGH includes two parallel modular multilevel converters. The second converter was installed in December 2025 and was commissioned starting in January 2026. Both converters are expected to operate in parallel at full power by mid-2026.

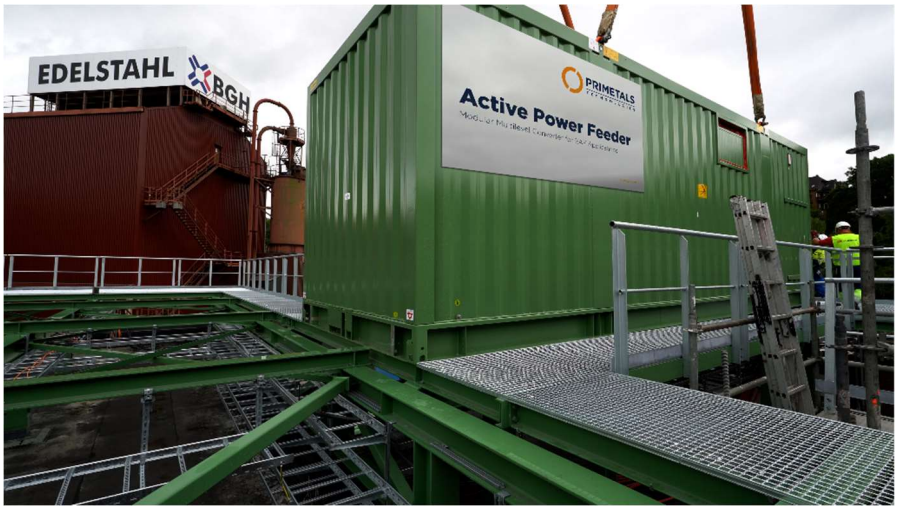
Primetals Technologies, Limited
A Group Company of Mitsubishi Heavy Industries
Communications

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

Ambitious CO_2 Reduction Targets

BGH is a specialty steel producer of high-quality stainless steels and special alloys. Its wide product range includes small batch sizes for custom orders, meeting the highest quality standards and precise delivery requirements.

BGH is committed to reducing Scope 1 and Scope 2 CO_2 emissions by 42 percent by 2030 compared to a 2021 baseline and aims to cut Scope 3 emissions by 25 percent over the same period.



The grid-friendly power solution Active Power Feeder from Primetals Technologies is in operation at BGH Edelstahl.

Primetals Technologies and BGH Edelstahl have successfully completed the first melting tests for Active Power Feeder.

This **press release** and a **royalty-free picture** are available at primetals.com/en/press-releases/

Primetals Technologies, Limited
A Group Company of Mitsubishi Heavy Industries
Communications

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

Contact for journalists:
Björn Westin, Press Officer
bjoern.westin@primetals.com
Mob. +43 664 6150250

Follow us on social media:
linkedin.com/company/primetals
twitter.com/primetals
instagram.com/primetals_technologies
youtube.com/primetalstechnologies

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 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 Group Company of Mitsubishi Heavy Industries, with around 7,000 employees worldwide. To learn more about Primetals Technologies, visit the company website primetals.com.