

High-Power Rectifiers for Industrial DC Drives

Retrofit Solutions for Maximum Availability of Existing Assets



Modernization of existing DC drive systems for rolling mills, heavy industry, and energy-intensive production facilities.

Upgrade Instead of Replace

In-House Thyristor Stack Manufacturing

End-to-End Project Execution

Made in Germany

Up to **10kA**
output current
per unit, scalable

Up to **1500 V**
DC output voltage

B6C
thyristor
bridges

Up to **1300 V**
AC input voltage

Retrofit Instead of Replacement

Extend Asset Life. Increase Availability.

FEST upgrades existing high-power DC drive systems to the latest state of the art, delivering enhanced performance, reliability, and full project responsibility from engineering through commissioning.

High-Power Thyristor Technology

Thyristors from leading manufacturers, engineered for high current loads and demanding industrial operating conditions.

In-House Thyristor Stack Manufacturing

Design and production of power stages under one roof, ensuring maximum quality control and reliability.

Advanced Drive Control

Drehzahl-, Strom- und EMK-Regelung für präzises und dynamisches Anlagenverhalten.

Integrated Protection Concepts

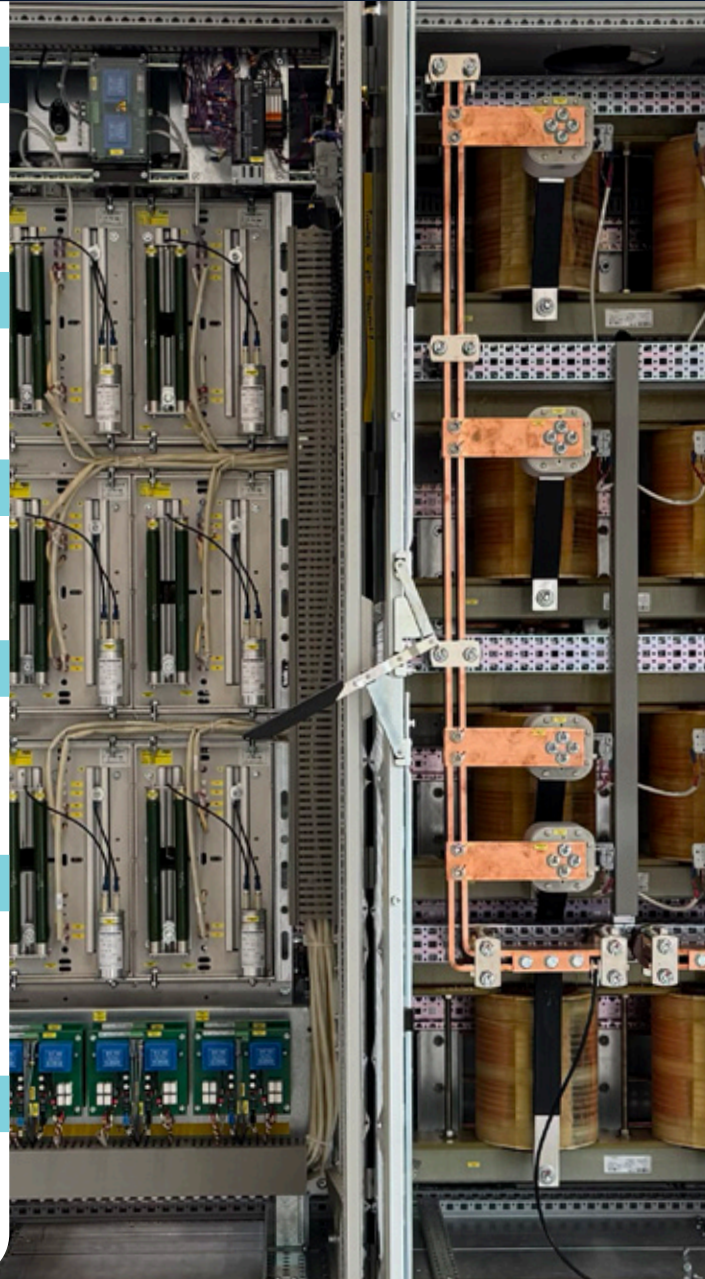
Comprehensive monitoring of overcurrent, overvoltage, ground faults, and field-loss conditions for safe continuous operation.

Seamless Digital Integration

PROFINET and IBA connectivity for visualization, diagnostics, and integration into existing automation architectures.

Minimized Downtime

Factory-tested systems with full cold commissioning prior to delivery, reducing on-site commissioning time and production interruptions.



From Engineering to Commissioning. One Partner.

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FEST