



## **Material for the energy transition: thyssenkrupp Steel presents latest electrical steel grades at CWIEME in Berlin**

“Empowering you” is the motto for thyssenkrupp Steel’s impressive presentation of innovative material concepts, process optimizations, extensive know-how and great service in the processing of electrical steel at the CWIEME show in Berlin, which runs until May 23. Almost 7,000 visitors are expected at the world’s largest exhibition of coil winding, electric motor, transformer and generator manufacturing technologies.

Electrical steel from thyssenkrupp Steel is an indispensable material for the transition to renewable energies and e-mobility. The company’s Electrical Steel and Automotive business units will be presenting their powercore brand electrical steels for generators, transformers and electric motors at CWIEME. “Electrical steel is the ultimate driver of the energy transition. Wherever energy needs to be generated, converted or transmitted, our material is needed,” is the verdict of Dr. Jens Overrath, CEO of Electrical Steel, and André Matusczyk, CEO of Automotive. Non-oriented electrical steel is manufactured at the company’s Gelsenkirchen site and is used in transformer cores, while grain-oriented material is made in Bochum and is used in generators and electric motors.

### **Latest electrical steel grades and their possible uses**

On booth A21 in hall 2.2a-b thyssenkrupp Steel is presenting its latest electrical steel grades and their possible applications – including its portfolio of application-oriented steel grades, functional insulation coatings for efficient fabrication and enhanced grades for use in electric vehicles.

The Duisburg-based steel manufacturer is also displaying its new products bondal E and the insulation coating powercore Black Edition. bondal E is a sound-absorbing composite material that reduces electromagnetic noise and improves the acoustics of electric motors in electric cars. With the Black Edition, customers in the transformer industry can reduce transformer noise emissions. The new black surface also offers better handling and processing properties compared with conventional coatings for grain-oriented electrical

steel grades.

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In the CWIEME show's new e-mobility zone in hall 3.1b, experts from thyssenkrupp Steel will also talk about the role of steel in e-mobility and the use of the company's electrical steel grades for highly efficient drive systems in electric vehicles.

The thyssenkrupp Steel team looks forward to your visit! You will find thyssenkrupp in hall 2.2a-b, booth A21 from May 21 to 23, 2019.

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