3-Level Topologies for Wind Turbines - SEMITRANS 10

Nuremberg, May 08, 2019

In any new wind turbine developments, the primary objective is to reduce the cost of energy as well as to increase the output power. But this can’t happen without new technologies. One solution is to increase the voltage up to the 1000VAC (1500VDC) Low-Voltage Directive limit. SEMIKRON’s SEMITRANS 10 MLI is a 3-level NPC module that meets the needs of wind energy converters perfectly. Using 3-level topologies helps cut converter losses by 50 percent, lowering filter costs by some 30 percent. Besides lower converter losses, cable losses or diameters can also be reduced by around 30 percent.

Photo: SEMIKRON_Pressebild_SEMITRANS10_05-2019.jpg

About SEMIKRON
SEMIKRON is one of the world's leading manufacturers of power modules and systems primarily in the medium output range (approx. 2kW up to 10MW). Our products are at the heart of modern energy efficient motor drives and industrial automation systems. Further application areas include power supplies, renewable energies (wind and solar power) and electric vehicles (private cars, vans, buses, lorries, forklift trucks, and more). SEMIKRON's innovative power electronic
products enable our customers to develop smaller, more energy efficient power electronic systems. These systems in turn reduce the global energy demand.

SEMIKRON is a family owned business founded in 1951, headquartered in Nuremberg, Germany. Today the company has a staff of more than 3,200 people in 25 subsidiaries worldwide. This international network with production sites in Germany, Brazil, China, France, India, Italy, Korea, Slovakia and the US ensures fast and comprehensive service for customers. By establishing the ONLINE SHOP, SEMIKRON increased its presence for customers.

Press Contact:
Werner Dorbath
Marketing – Communication International
SEMIKRON INTERNATIONAL GmbH
Sigmundstrasse 200
90431 Nuremberg
Tel: +49-(0)911-6559-217
Mobil: +49-(0)176-30086217
werner.dorbath@semikron.com
www.semikron.com