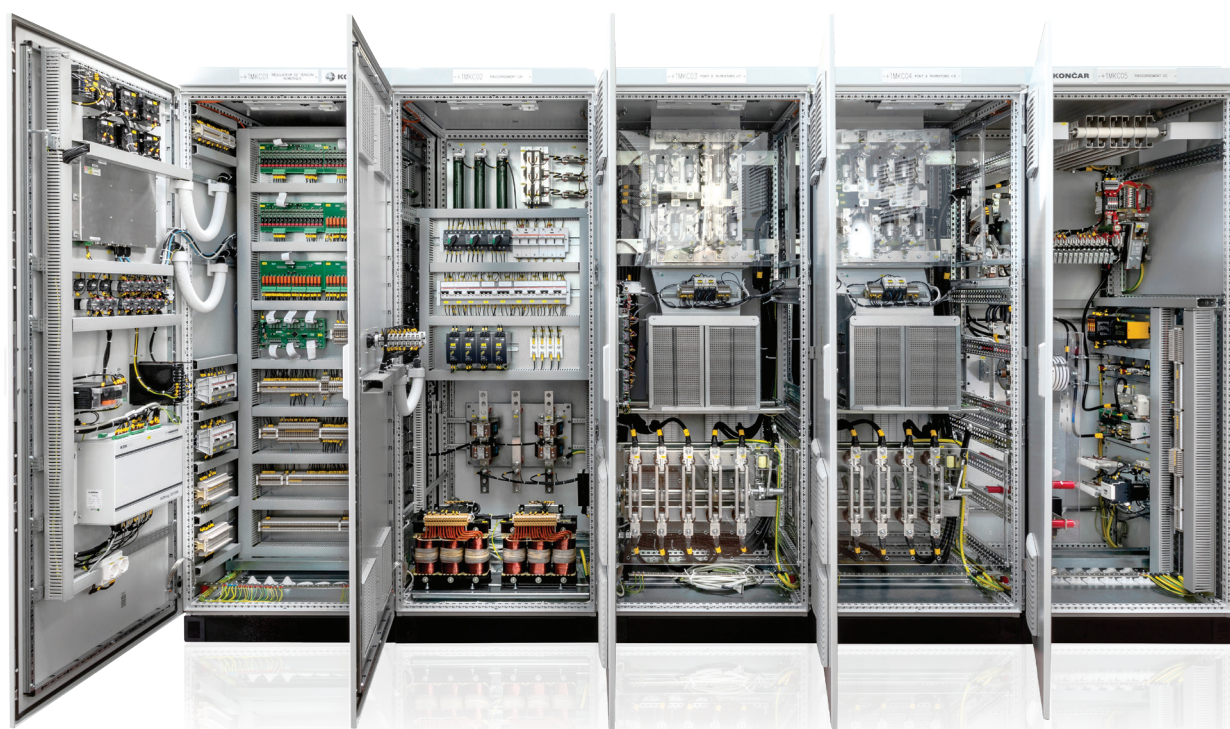


KONCAR

ELECTRONICS AND
INFORMATICS

Excitation system solutions

Powerful and compact solutions for synchronous generators and motors of all sizes



The advanced excitation systems, featuring KONEX, KONREG, and DRN digital voltage regulators, are built around high-performance programmable processor units, enabling real-time control and regulation with fast response times, high accuracy, and exceptional reliability.

The system is fully customizable to meet customer-specific requirements, whether for new installations or retrofit projects. The excitation system is available in single-channel or dual-channel redundant configurations, ensuring high reliability. The automatic voltage regulator (AVR) operates with an adjustable PID controller, while an independent excitation current regulator acts as a backup. Additional higher-level control functions include: reactive and active current

compensation, power factor/cos(f) regulation, integrated Power System Stabilizer (PSS), built-in limiter functions, logical and sequential control and expandable digital and analog I/O options.

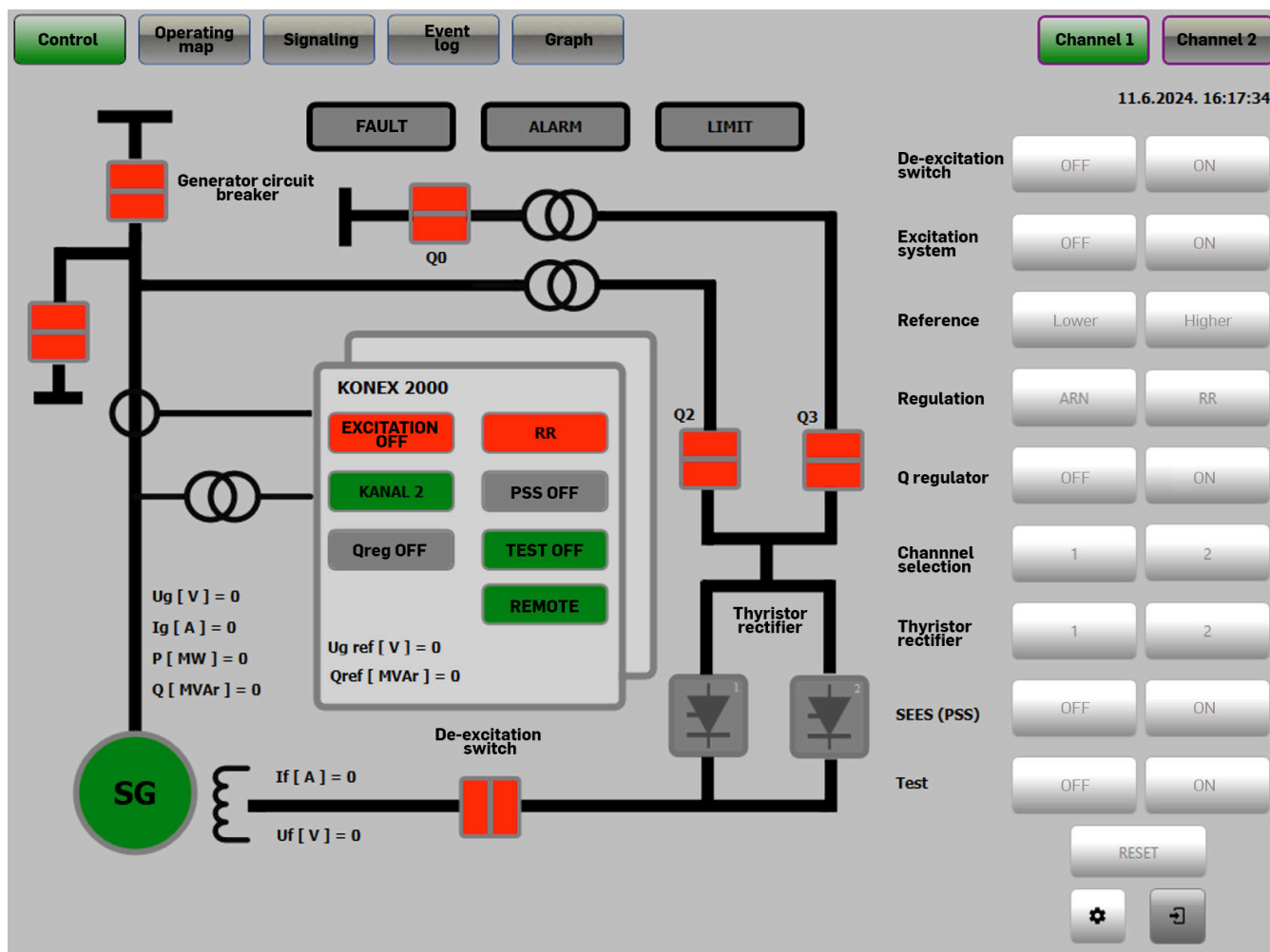
The excitation system is fully adaptable to various operating modes, protection functions, and communication protocols, ensuring seamless integration into modern power networks.

Excitation system solutions

Key features	
Adaptability	Yes
DC current	<3500 A
Backup channel	Yes
Converter redundancy	Yes
PSS	2B/2C
De-excitation switch	AC or DC

Service and technical support

A team of highly specialized experts provides commissioning, maintenance, and lifetime support for the excitation system. Additionally, comprehensive training services are available either on-site at the power plant or at our factory, covering all types of excitation systems.



Excitation system control user interface