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## Omnivise E3000 Excitation system RG3-S (K-ES-131)

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### Target Group

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The participants learn to operate the RG3-S and the tasks of the components, to recognize and delimit faults independently and to support the service technician of the manufacturer, respectively. Introduction to the commissioning.

### Content

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Basics of synchronous generators  
Introduction of the brushless excitation system with rotating rectifiers  
Digital closed loop system  
Power converter  
Manual Mode: Excitation Current Regulator (ECR)  
Automatic mode: Automatic Voltage Regulator (AVR),  $\cos \varphi$ -, Q-regulator, limiter, PSS  
Operation and maintenance  
Dealing with the documentation of the RG3-S  
Introduction to the operation software SIMOTION Scout and Web-browser  
Conducted commissioning of the RG3-S with exercises at the generator model

### Prerequisites

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Target group: Service and commissioning staff of excitation systems in a power plant  
Requirements: Basic knowledge of electrical engineering  
Number of participants: 2-3  
Language: English  
Duration: 5 days  
Location:  
Power Academy Erlangen  
Virtual Classroom  
Date: upon consultation

### Type

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Face-to-face training

### Duration

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5 days

### Language

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en