
Electrical maintenance – large scale power plant (K-EA-105)

Target Group

This course provides an insight into the individual electrical components which are needed for the operation of turbine and generator. The course shall clarify the interaction of the components and it enables the staff to operate the plant, to recognize and delimit faults independently and to support the service technician of the manufacturer, respectively.

Content

The training contains a theoretical part about the following components. The course materials are adapted system-specifically.

Generator: structure and function

Excitation system /voltage control

Transformer

Generator- / transformer protection / synchronization

Generator circuit breaker

IPB (isolated phase bus)

Medium and low voltage switchgear: 6kV, 690V, 400V, 110/220V DC

UPS: battery system, charging rectifier, converter, inverter

Miscellaneous components

Prerequisites

Target group: Service staff of a coal fired power plant or combine cycle power plant

Requirements: Basic knowledge of electrical engineering and practical experience in electrical maintenance

Language: English

Duration: 5 days

Location:

Power Academy Erlangen,

Virtual Classroom

Onsite

Date: upon consultation

Type

Face-to-face training

Duration

5 days

Language

en