

The Siemens logo is displayed in a bold, teal, sans-serif font.

Ingenuity for life

Transformer Training

Power Academy TD

Transformers:

Basics and Operation

The participants learn the elements and the function of transformers and reactors. The characteristics of transformers are covered in various practical exercises. Different conditions and faults get investigated. Life-extending actions are discussed and prioritized.

Duration: 3 days

Tailored Training

Based on customer training needs, the Transformer Academy is designing a specific training (specific transformer, specific audience like maintenance technicians, engineering, managers, etc.). The training can get offered in one of the transformer factories, with the benefit of visiting the production and using the onsite test equipment. Additional visits and training like productions of bushings, tap changers and protective devices can get added.

The training can also get held at the customer site. In this case, the Siemens Transformer Academy will provide small training transformers to strengthen the knowledge by various practical exercises

Duration: 1 day – 4 weeks

Training Modules for individual combination:

Basic of electricity

- Step up transformer
- Interconnection transformer
- Distribution transformer
- Traction transformer
- Smoothing reactor
- Shunt reactor
- Furnace transformer
- Converter transformer

Transformer Components

- Tank
- Core
- Windings
- Tap Changer
- Bushings
- Protection devices
- Current transformer
- Cooling

Electrical Specifications

- Simplified diagram
- Vector group
- No load current
- Short circuit voltage
- Resistance

Basics of Power Transmission

Basics of HVDC

Reading and understanding of documentation

- Rating Plate, Drawings

Installation

Monitoring

Maintenance

- Routine checks
- Oil samples
- Measures

Life extension

- Oil regeneration
- Oil drying

Languages

- English
- German



All courses are executed by certified trainers.

We are looking forward to welcome you on our next training session!

If you are interested in registration, looking for advice or more information, please send an e-mail to:

poweracademy.energy@siemens.com

For more information about our entire trainings portfolio, please visit our website:

www.siemens.com/poweracademy

For further questions regarding Siemens products and solutions in the area of power & energy, please contact our Customer Support Center:

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Energy Management

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