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## Simulator Based Operation Training / SOP-5 (SOP-5)

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### Objectives

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Extensive and repeated hands-on practice in normal plant start-up, operation and shutdown procedures on a power plant control simulator that provides the vehicle for gaining experience in controlling, recognizing and interpreting the interactions between the various plant units. The operators will gain experience in handling some abnormal situations by reacting on "what if" scenarios.

### Target Group

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Control room engineers and technicians.

### Content

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- Review main logic features of T3000
- Review and practice of main T3000 operation tools
- Introduction into Gas turbine controllers, Introduction into Bypass and steam turbine controllers
- Plant cold startup of power plant to base load - operator guidance, automatic and manual
- Warm start-up of power plant after shutdown, Hot restart of power plant after trip
- Compressor offline washing
- Automatic turbine test - ATT
- Selected abnormal operation

### Prerequisites

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- Knowledge of power plant fundamentals is mandatory
- Participation in the course Power Plant Operation Training (SIMSC-5 or SIMCC-5)

### Note

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Language: German, English

Location: O&M Training Center in Erlangen, worldwide on site or remotely via web-based simulator.

Contact E-Mail: [operation-training.energy@siemens-energy.com](mailto:operation-training.energy@siemens-energy.com)

### Type

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Face-to-face training

### Duration

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5 days

### Language

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en