

**SIEMENS**

*Ingenuity for life*

# Power Generation Services

Siemens Power Academy – K-T3PCPG Module 4  
SPPA-T3000 Application of Advanced Thermal  
Power Plant Process & Control

## Introduction

This course outlines the overall concepts of process control for the power generation industry. Specific focus is given to thermal power generation process, and application of the Siemens Power Plant Automation T3000 Control System. Hands-on examples and simulated demonstrations are given.

## Course Content

Some out of class study may be assigned. All required instructional materials are provided to each student. The following topics are representative of those covered in the course. Actual course content will be customized to the specific customer requirements and plant configuration.

## Introduction to Generic Process Control

- **Air & Gas** (furnace pressure and total airflow control) generic concepts and examples
- **Fuel & Mill** control generic concepts and examples
- **Feedwater** (drum level control) basics and examples
- **Steam Temperature Control** basics and examples
- **Unit Coordination** concepts and control examples
- **Advanced Grid** considerations (frequency control, automatic load dispatch)

## Course Details

**Location:** Siemens Training Office / Customer Site

**Size:** Max 6 Participants

**Duration:** 3 days

### Contact:

PSCD Training Centre  
Siemens Ltd. Australia

Power Generation Services  
Controls & Digitalisation  
ppatraining.au@siemens.com