

# PSS™SINCAL – Basic

## Training Course

### Objectives

The participants will acquire basic knowledge on the use of Siemens's net-planning program PSS™SINCAL. Students will learn to use the software for basic calculations on topics related to load flow and short-circuit.

### Intended Audience

This course is designed for engineers and service technicians from power supply utilities and industry in operation, planning and design of power systems.

### Prerequisites

Students should have prior knowledge in the basics of protective relay. The structure of the course presumes that participants are engineers or scientists familiar with utility power systems or related systems. A comprehensive theoretical background is not required.

### Course Structure

Course duration is two days, with 3 hour sessions morning and afternoon.

### Documentation

Each participant will receive a bound set of course notes that complement the lectures. The lectures closely follow the notes to minimize the need for note-taking during the class.

### Instructors

Programs are developed and taught by leading industry engineers with advanced engineering degrees complemented by their first-hand experience solving power systems problems throughout the world.

### Location

The course is conducted on a regular basis at Siemens PTI offices in Schenectady, NY and at other major cities throughout the United States. It is also available for presentation at a client's location by special arrangement.

### Continuing Education Units

1.2 Continuing Education Units (CEU's) will be awarded for successful completion of this short course. The CEU is the nationally recognized unit for recording participation in noncredit educational programs. One CEU is equal to ten classroom hours.

### Main Features

- User interface (window technologies, indications, characteristics)
- Basic functions (create and edit network elements)
- Masks (functionality, manipulation of standardized types)
- Exposition of results (tables, protocols, graphics)
- Filters for demonstration
- Table editor (design, operation, prints)
- Establishing of networks (import, export of data)
- Graphic editor (formatting, evaluation, objects)
- Electrical elements and methods
- Macros, variants, catalogs
- Exercises how to apply PSS™SINCAL with some case studies

## PTI – Power Academy TD

Power Transmission & Distribution  
[www.siemens.com/power-technologies](http://www.siemens.com/power-technologies)

**SIEMENS**

Siemens Power Transmission & Distribution, Inc., PTI  
P.O. Box 1058, 1482 Erie Blvd.  
Schenectady, NY 12301-1058  
USA

Siemens AG, PTD SE PTI  
P.O. Box 3220  
91050 Erlangen  
Germany

Siemens Transmission and Distribution Ltd.  
Sir William Siemens House, Princess Road  
Manchester, M20 2UR  
United Kingdom

Siemens PTI has local offices in many countries throughout the world. For further information and contact to our worldwide business locations and local experts, please visit the Siemens PTI website and complete a contact form.

[www.siemens.com/power-technologies](http://www.siemens.com/power-technologies)

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