

COURSE NO.

FACT-001

COURSE NAME

Concepts and Technology of FACTS

OBJECTIVES

Allow the participants to master the concepts, application and technology of Flexible AC Transmission Systems.

COURSE DESCRIPTION

1. FACTS Concept and General System Considerations
2. Power Semiconductor Devices
3. Voltage-Sourced Converters
4. Current-Sourced Converters
5. Static Shunt Compensators: SVC and STATCOM
6. Static Series Compensators: SC, TCSC, and SSSC
7. Combined Compensators: Unified Power Flow Controller (UPFC)

CUSTOMER BENEFITS

Upon completion, the course will provide

1. Comprehensive idea over FACTS
2. Wide range of theoretical coverage for Power Electronics devices

RELATED PRODUCTS

1. PCS-9580 Static Var Compensator (SVC)
2. PCS-9583 Static Synchronous Compensator (STATCOM)
3. PCS-9570 Fixed Series Compensation (FSC)
4. PCS-8200 Unified Power Flow Controller (UPFC)

PREREQUISITES

Good knowledge over electrical power system
General knowledge of power electronics

TRAINING METHODS

100 % theoretical, Lecture

DURATION

5 days

