

Introduction to FACTS



Component

École Nationale
Supérieure
d'Électrotechnique
d'Électronique
d'Informatique
d'Hydraulique
et des
Télécommunications

In brief

- > **Ametys Code:** N8EE19A
- > **Open to exchange students:** Yes

Presentation

Objectives

Understand the principles of reactive power control in electrical power transmission networks.

Description

This course is an introduction to electronic power devices for reactive power control in electrical power transmission networks. The principles of parallel and series compensation on power lines are presented. Applications based on reactors controlled by thyristors and switching dimmers are presented.

Pre-requisites

Methods for modeling and studying electrical power transmission networks.