Introduction to voltage control and reactive power. FACTS solutions

OBJECTIVE

- Understand the fundamentals of voltage and reactive power network problems.
- Discover the alternatives, technical and economic advantages that FACTS systems can provide.

AUDIENCE

Professionals dealing with reactive power problems, interested in the technological solutions and their applications.

CONTENT

Analysis of the different grid problems
- Power Transient stability
- Voltage stability

Consumption and generation of reactive power
Problems related to:
- Transmission and distribution grids
- Renewable generation
- Industry
- Railway

Solutions for reactive power and voltage control:
- Generators
- Capacitors and reactors
- Tap changers
- FACTS
- r flow

History and development of dynamic shunt compensation

Different applications of FACTS devices; T&D grids, Renewables, Industry, Railway

Configuration of a FACTS installation, review of main components

Control and protection

Other important aspects: Reliability and availability, footprint, noise, etc.

Comparison of STATCOM and SVC

Economics of FACTS

A FACTS project - from feasibility study to commissioning

LIVE ONLINE TRAINING
Duration: 12 hours
Dates:
June 13th – 15th or November 22th – 24th 2023
Price: 800 €
More information and registration here:
https://bit.ly/HitachiGridAcademy

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