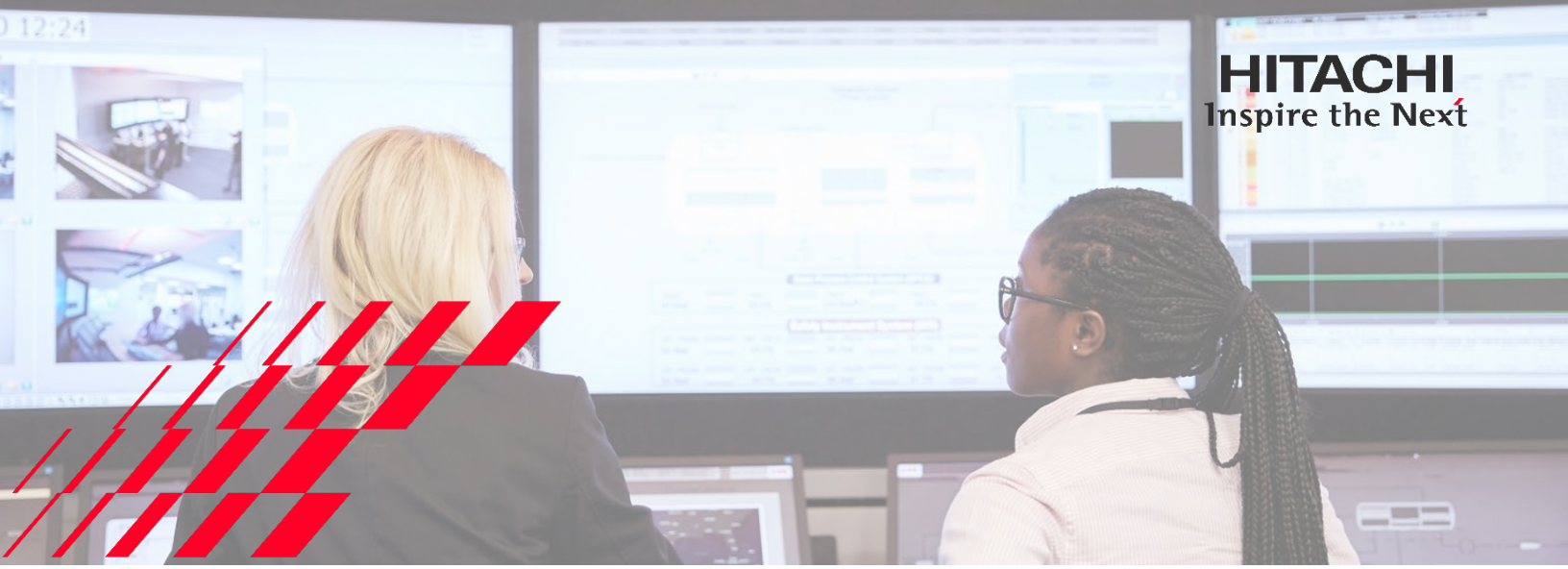

Power system studies: Planning and analysis

OBJECTIVE

- Understand the modelling of power systems and the main concepts of power flow studies.
- Learn and practice the basics of stability, short circuit and protection analysis.

AUDIENCE

Personnel from power utilities, power generation, transmission companies and industries and consultants responsible for the system design, planning and engineering of power systems.

CONTENT

Fundamentals of power system studies

Modelling of power system components and networks for various studies

Load flow studies
- Voltage profile calculations and influencing factors, modelling and case studies

Contingency analysis & optimal power flow

Power system general
- Fault calculation
- Shortcircuit current calculation

Short circuit studies
- Z bus matrix and symmetrical components
- Balanced and unbalanced faults

Transient stability analysis

Voltage stability analysis

Basics of power system protection and devices

Integration of wind farms in utilities

IEEE and IEC standards

Power system study tools

Case studies

LIVE ONLINE TRAINING
Duration: 15 hours
Dates:
April 5th – 7th or October 17th – 19th 2023
Price: 1.000 €
More information and registration here:
https://bit.ly/HitachiGridAcademy

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