POWER CONSULTING

Introduction to NEPLAN: a power systems software

Objective

- Gain a global vision of the main functionalities of the software
- Master basic actions in NEPLAN: represent grids, work with diagrams, graphic layers and efficient-lyuse the short-circuit and power flow modules.

Audience

Engineers involved in the study and design of power grids, beginners in this type of software.

Course topics

Basics of the user graphic interface

- Network creating and editing
- Create and edit NEPLAN libraries
- Symbol editor
- Data introduction, import and export
- Graphic and grid layers

Load flow analysis

- Theoretical basics for load flow calculations
- Power systems elements modelling
- Reference value adjustments
- Single-line diagrams and tables
- Load regulator transformers
- Active power loss sensitivity analysis
- Load balancing
- Contingency analysis

Short-circuit analysis

- Shortcircuit calculations (short theoretical review)
- Calculation parameters
- Single-phase, two-phase and three-phase faults
- Special faults
- Result representation in single-line diagrams and tables

Case studies

Date and Location

- Date: September 24th – 26th
- Class time:
  - Tuesday and Wednesday: 09h30 - 13h00 & 14h30 – 17h00
  - Thursday: 08h30 - 14h30
- Location:

  ABB Power Consulting

  Calle San Romualdo, 13

  28037 – Madrid

  Spain

Price

1.160 € + VAT per person

Registration

Register here: madrid.abbuniversity@es.abb.com

Please register before September 10th

Contact us

Asea Brown Boveri, S.A.

Power Consulting

San Romualdo, 13

28037 Madrid

Spain

Phone: (+34) 666 57 40 77 – (+34) 91 581 99 87

E-mail: madrid.abbuniversity@es.abb.com

For more information

http://bit.ly/ABBPowerConsultingTraining