

Caneco BT software

Advanced training

GOAL:

To master the advanced functions of Caneco BT for dimensioning substantial Low Voltage electrical installations.

Intended for

- Design Office technicians and engineers
- Project managers

Duration: 2 days (14 hours)

Capacity: 8 persons max.

Prerequisites

- > NVQ Level 3
- > Completion of INST 101 course (Caneco BT software – Initial Training)
- > Prospective participants will complete a «Caneco skills questionnaire» to make sure they meet the prerequisites of the course

Teaching resources

- > One computer per participant, videoprojector, course material

Course contents

Methodology

Theory

Practice

50%

50%

> Refresher: entering details of a simple project

Switchboard single-line diagram, spreadsheet, network single-line diagram

- Supply (transformer, genset, LV by Ik)
- Identifications, styles, blocks, associated circuits, inserting, copying, pasting, and moving
- Automatic diagrams
- Calculating Ib, S, P, Q, efficiency
- Standards calculation criteria
- Indirect contacts, short-circuits, voltage drops, nominal current

> Standby supply, generating set

- Input, calculating and interpretation

> Selecting protective devices

- TT, TN, IT earthing schemes
- Single-pole breaking capacity in IT
- Protective device settings
- Current-measuring and differential discrimination
- Cascading, co-ordination

> Handling special cases

- Smoke venting circuits
- Busbar trunking systems
- Vertical or horizontal feeder trunking

> LV installation study by Ik

> Local and overall power requirement

> Phase balancing

> Printing out

- Files and folders customisation
- Print configuration
- Logo, inserting documents: text file (txt), diagram (wmf)

> Database

- LV equipment, cables, protective devices, load equipment
- Adding components

> Parameters

- Calculation options

> U.P.S.

- Input and reading of the results

> Exporting Caneco Box graphics

- Fast determining of an HV/LV cable
- Motor and light consumption
- CosPhi correction

> Application exercises

> Summary: producing a complete project