



# PC Mimic Diagram



PC Mimic Diagram (PCMD) is a PC based software tool that allows a simple model of a customer's electrical network to be created.

The model is defined by creating a network diagram that shows circuit breakers, feeders and other major items of electrical plant. The software then determines each feeder's live/isolated/dead/earthed status, and reacts to user-entered switching operations just like the real network.

PCMD's operator interface is very simple and intuitive, and is designed for users with minimal computer experience. In addition, customers may easily carry out their own network diagram modifications.

PCMD is suitable for networks such as those used for:

- > Airports
- > Hospitals
- > Ports
- > Industrial end users
- > Commercial end users
- > Datacentres

**Who is it aimed at?**

Persons with responsibility for the operation of high voltage and low voltage electrical distribution systems. This includes roles such as: **Authorised Persons; Authorising Engineers; Senior Electrical Engineers; Training Managers & Electrical Trainees.**

## Our offer

PCMD uses standard Microsoft Office products and is compatible with any modern PC equipped with Win XP/Vista/Win 7/Win 8 operating systems.

### Features and capabilities:

- 'Real time' mode to show the current status of the network
- 'Edit' mode for modifications to the network
- 'Copy' mode for interactive training and familiarisation
- 'Assessment' mode to aid assessment of individual's competency to operate the network
- Automatic production of switching lists, driven by the sequence of switchgear operations carried out on-screen
- Recording of all actions/operations carried out by individuals on the network in a System Activity Log
- Ability to add equipment asset information, such as manufacturer, equipment type, serial number and rating
- Equipment list reports
- PCMD is configured with all of the possible states for each network device
- Access to individual modes within the software is determined by password Login
- Modelling of Castell key operation
- Simple automation and interlocking
- Calculation of loads at various points on the network
- Annotation of objects on diagram

## Implementation

A network diagram is created that shows the CBs, feeders and other major items of electrical plant.

To dress the diagram, the user clicks on the device to be changed and selects its new state from the options offered.

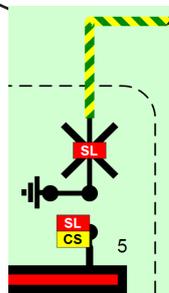
After each dressing PCMD will dynamically determine the electrical state of each feeder and display it as:

Earthed  
Live  
Dead  
Isolated  
Faulty

PCMD is configured with all of the possible states and dressings for each network device.

Thus, for example, a vacuum Circuit Breaker may be dressed to the isolated and cable earthed state:

Each dressing is recorded in the System Activity log, which is then automatically saved to disk, together with the new state of the network.

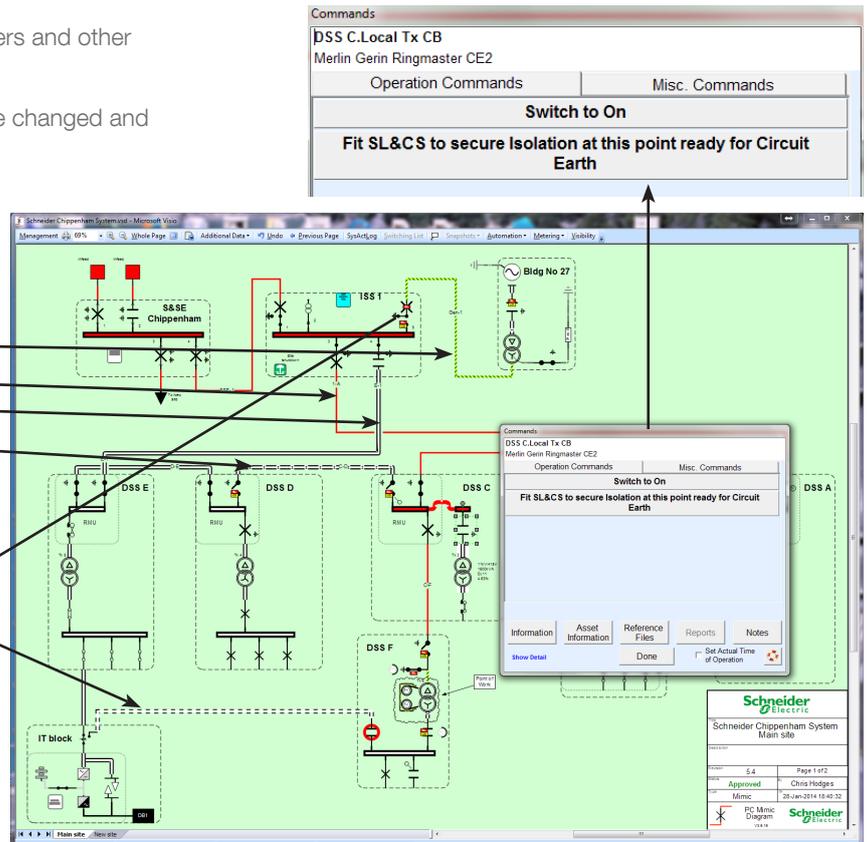


## What are the benefits?

- Interactive mimic diagram enables users to gain and maintain familiarity with the distribution system for which they are responsible
- Status of sections of the network are immediately visible (live/isolated/dead/earthed)
- Observe the effects that operation of distribution switchgear have on the network
- Use PCMD to rehearse the application of a safe system of work for both planned tasks (such as maintenance) and unplanned tasks (such as fault finding)
- Enables objective assessment of an individual's competence in network operation
- Switching lists are prepared accurately and consistently with minimal effort
- Easy editing of the network diagram to incorporate new equipment or to set up temporary arrangements

## Other related offers

- Schneider Electric also offer a comprehensive range of SCADA solutions with full telemetry to plant where customers require real time monitoring and control of their electrical network.



For more information please contact us on 0870 608 8 608 or visit [www.schneider-electric.com/uk](http://www.schneider-electric.com/uk)