

PowerFactory Intermediate

Objective:

To provide users working within the planning and operations environment and who are familiar with PowerFactory basic techniques, with additional tools and knowledge of the program. This course covers a broad range of subjects and will be useful to all users wanting to utilise Powerfactory for detailed analysis of power systems. It will also provide the user with the knowledge of built-in tools that will simplify and enhance the analysis of simulated networks.

Pre-requisites:

- **MUST have attended the Powerfactory Basic Course**
- A good working knowledge of the basic techniques used in PowerFactory.

No of participants: Minimum: 6; Maximum: 12.

Cost: see www.digsilent.co.za for latest course fees, which includes a set of course notes, lunch and refreshments.

Computers and PowerFactory licences are also supplied.

Please note the booking clauses on the registration form.

CPD Points: 2

Duration: 2 days

Topics to be covered:

- Advanced data Filtering
- Advanced data management - scaling loads, generation up/down
- Defining and working with Zones, Areas, Boundaries etc
- Using Variations
- Using parameter characteristics to define load forecasts, load profiles, daily load profiles
- Feeders and feeder load scaling
- PV Curves
- Contingency Studies - Single time phase
- Setting up and utilising the Operation Library:-
 - Reactive power capability curves,
 - Demand Transfers,
 - CB ratings,
 - Thermal ratings etc
- Using Operation Scenarios
- Contingency Studies - Single time phase and multiple time phase studies