

# **Modelling Unbalanced Networks**

## **Objective:**

To provide Powerfactory users with suitable knowledge in order to model unbalanced networks from single and dual phase lines.

## **Pre-requisites:**

- **MUST have attended the PowerFactory Basic course**

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

## **Schedule and Cost:**

Please visit <https://www.digsilent.co.za/training-courses/> for the latest scheduled course dates and costs. PowerFactory license, for the duration of the training course, is included. Please note the booking clauses on the registration form.

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**CPD Points:** 1

**Duration:** 1 day

## **Topics to be covered:**

### **Phase technology of Powerfactory**

#### **Unbalanced systems**

- Unbalanced loads.
- Single phase and SWER transformers
- Modelling lines; dual phase lines, single phase lines, etc.
- Traction networks
- Unbalanced loadflow.
- Unbalanced faults.