

## **Harmonics (Power Quality)**

### **Objective:**

The objective of the course is to provide users of Powerfactory with the relevant knowledge to effectively utilise the harmonic function.

Users will be taught how to analyse and mitigate for harmonic problems in electrical 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.

### **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:** 2

**Duration:** 2 days

### **Topics to be covered:**

- Basic harmonics theory
- Harmonic sources
- Powerfactory Models
- Frequency scans
- Harmonic impact to AC networks
- Harmonic mitigation
- Handling / result presentation