

Background

The Power Distribution Industry is facing major challenges in terms of providing economically reliable networks that meet their customer needs. A key factor prohibiting companies dealing with such challenges is the lack of adequate skills and knowledge.

In response, **Applied Economic Power Solutions (AEPS)** is pleased to offer a course on **Practical Power Distribution Planning and Design** targeted at business professionals involved in the Electrical Distribution Industry.

The course provides a good understanding of the practical aspects of Distribution Power System Planning and Design.

Course Duration

The course will be presented over a period of 3 days with breaks for lunch and tea. The course fee is R4000 (excl. VAT) and includes the course notes. The date for the course is 25-27 September 2007 to be held in Midrand, Johannesburg, South Africa. The course will start at 08h30 and end at 17h00 daily.



Practical Power Distribution Planning and Design

Course Description

This three-day course is intended to expose engineering professionals to the practical aspects of the planning and design of distribution networks. Issues such as equipment overloading criteria, use and design of capacitors, voltage regulators, etc. Participants will have the opportunity to solve problems and recommend solutions which will enhance their decision making ability.

Who should attend

Engineering professionals who have an interest in enhancing their knowledge on the planning and design of electrical distribution networks.

- Employees of Electricity Utility companies
- Regulators
- Consumer groups
- Government departments (DME, DPE, etc)
- Students
- Business Executives
- Anyone interested in learning about Power Distribution Planning and Design

Participants will gain more insight into the practical issues faced by planning engineers on a regular basis. The course will equip engineers with the tools to enhance their decision making ability.

Course Outline

1. Power System Operation

How electric power systems are monitored, controlled and operated and highlights key engineering principles.

2. Load Forecasting

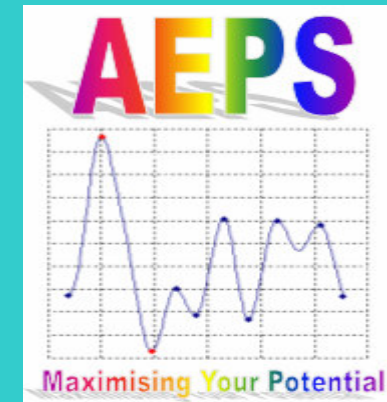
The importance of load forecasting and methods used.

3. Distribution Planning & Design

Discusses key planning considerations & focuses on technical and financial impacts. Network overloading, transformer design and operation, life cycle costing.

4. Power Quality Issues

Dips, harmonics, voltage stability, etc.



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