

Course Overview:

Strategic Planning in Distribution Networks, play a critical role in the technical management, development, and acquisition of complex power and energy technology systems. They are the professionals responsible for planning, coordinating, and overseeing group efforts that translate operational need into technology solution, and whose tools and skills determine whether a system will meet cost, schedule, and performance goals.

All participants must bring laptop computers in order to implement some of the exercises and applications

Course Objective:

- To provide know-how in the field of Electric Power System, Power System Planning, Including Classification, Cleaning For Data, covering financing, management and technical questions.
- To create awareness of an integrated approach towards electricity distribution in relation to energy supply, country planning, environmental aspects and socio economic considerations.
- Contribute to a better availability of electricity in the countries
- All participants must bring laptop computers in order to implement some of the exercises and applications

Course Outline:

- Module 01 Electric Power System & Power System Planning.
- Module 02 Data (Classifications, Characteristics, Identification, Collection, Mining and Preparation).
- Module 03 Regression Analysis (Excel Tables Analysis).
- Module 04 Guidelines for Selection (Statistical Tests Program).
- Module 05 Network planning (Substation determination & distributed) & Determination for Performance of Network.
- Module 06 Distribution Networks.
- Module 07 Distribution Expenditure.
- Module 08 Examples of KPI Calculations.
- All participants must bring laptop computers in order to implement some of the exercises and applications
- Module 09 Practical Cases.

Who Should Attend:

- Electrical utilities personnel
- Electrical utility engineers
- Electrical utility technicians involved in electrical distribution systems planing and design.
- Anyone who has responsibility for the planning, architecture, design, network, construction, operation, cost, and line and substation technicians and engineers.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation