Electrical Substation Design Fundamentals

Learn the fundamentals of electrical, civil and structural design issues of electric power substations. Topics cover safety, standards, site development, grounding practices, bus configurations, AC and DC ancillary systems, and major equipment.

Study substation design subjects at a level appropriate to those relatively new to the field. Get an introduction to technical requirements, configuration philosophies, design practices, information sources and work processes.

Benefits and Learning Outcomes
- Learn about substation project chronology and developing the scope/identifying the constraints for the overall project
- Understand costs & schedules
- Explore site grading design, foundations, insulation and insulation protection and structures

Who Should Attend
Engineers, supervisors, drafting personnel, contract managers, consultants, and managers interested in/or involved with overall electrical power substation projects.

Course Details
- **Course Date and Time:** Mon – Wed, April 22-24, 8am-5pm
- **Instructor:** Dan Chaply
- **Fee:** $1295
- **CEUs:** 2.1
- **Program No.** 4830-8424