Course Overview:

Learn to take control and not let equipment problems risk your production schedule. Don't be afraid to manage shutdowns planning - it's a good preventive measure. There are many benefits of well-managed, planned and executed shutdowns; more proactive maintenance equal to less reactive or emergency maintenance.

Course Objective:

This proposed training course on Smart Grid Energy Technologies presents an in-depth the basics of smart grid and its importance for the deregulated electricity. The electric grid is over a hundred years old, has changed little in the way it operates since its inception, and will not be able to support future electric demand without substantial new and costly infrastructure. However, technologies exist that can improve efficiencies and moderate electric usage which will largely offset much of the need for new power plants, transmission lines, and other electric grid components. An "intelligent" or "smart" grid will provide improved service reliability and more stable electric rates at a lower cost than simply building all the infrastructure that would be required to meet future demand for electricity using the current electric utility business model.

Course Outline:

- The Smart Grid Definition
- The Need for a Smart Grid
- Distributed Power Sources
- Energy Demand and the Electric Grid
- Grid Visualization and Control
- Distributed Electric Generation
- Smart Grid Savings and Costs

Who Should Attend:

This course is intended for plant short term and long term (shutdown) managers, planners, foremen and contractor staff, who are involved in the planning, co-ordination and execution of plant shutdowns. The workshop is especially valuable for shutdown managers and co-coordinators, planning/managing and cost control staff, construction supervisors, project engineers and contract administrators. Participation from inspection, materials, safety and maintenance engineering is also encouraged

Training Language:

EN / AR

Training Methodology:

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