

Course Overview:

This seminar provides detailed description of all the methods used to improve the heat rate (increase the efficiency) of power plants. All the processes, operational and maintenance activities, capital projects, technical options, potential initiatives and incentives to implement upgrades/repairs for increasing the plant efficiency will be covered in detail. This seminar will also provide in-depth explanation of all the equipment and systems used in power plants.

Course Objective:

Calculating the Heat Rate of Coal Power Plants
Benefits of Lowering the Heat Rate of Coal Power Plants
Methods Used to Improve Coal Power Plants Heat Rate
Processes, Operational and Maintenance Activities
Technical Options for Improving the Heat Rate
Potential Initiatives and Incentives to Implement Upgrades

Course Outline:

Steam Power Plants, Steam Generators, Steam Turbines, Steam Turbine Auxiliaries
Fired Power Plants Systems and Equipment
Calculating Heat Rate
Heat Rate Improvement
Efficiency of Power Plants and Power Plant Systems
Processes, Operational and Maintenance Activities

Who Should Attend:

- Engineers of all disciplines
- Managers
- Technicians
- Maintenance personnel
- Other technical individuals

Training Language:

EN / AR

Training Methodology:

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