:: TRAINING MODULES IN POWER PLANT THEORY & OPERATING EFFICIENCY ::

Course Code: ACS004 Performance Modeling Software Gatecycle Basic Training

Course Duration - *2.5 Days*

WHY YOU SHOULD ATTEND

Learn the use of GE Energy Software Gatecycle - a powerful tool for both the gas and steam sides of power plant design and analysis. Gatecycle software predicts design and off-design performance of combined cycle plants, fossil boiler plants, cogeneration systems, combined heat-and-power plants, advanced gas turbine cycles and many other energy systems. You can use Gatecycle software for quick assessments, detailed engineering, design, retrofitting, repowering and acceptance testing. Its component-by-component approach and advanced macro-capabilities let yo model virtually any type of system.

By the end of this course you will be able to:

Appreciate the features and flexibility of a power plant stimulation program

Know the basic configuration skills for setting up models

Construct thermodynamic models of whole power plants or the sub systems

WHO SHOULD ATTEND

Performance Engineers

Equipment Engineers E.g. Gas Turbine, Steam Turbine

Course Syllabus

Introduction Software Overview

Gatecycle Software Basic Tutorial

Mass Flow Tutorial / Pressure Signals

Workshop - Build Your Own Project Data

Fossil Boiler Modeling

Steam Turbine Modeling

Macros and Tables

Gas Turbine Modeling

Getting Data Out - Printing, Diagrams, Reports

Condenser / Cooling Tower Modeling

Gatecycle - Microsoft ® Excel Interface Utility

Participants get a dedicated PC each installed with the Gatecycle program to carry out hands-on practice and exercise.