Power Plant Operations

SIM-PPO

This interactive 2-day course combines elements of high fidelity, generic process simulators as well as a student-driven learning model centered around the INSTO™ Methodology. PetroSkills Simulation Solutions 2-Day Courses teach operators how to build a mental model of various processes and stress critical thinking skills for operators that can be brought back to the control room.

In this course each trainee will have access to their own generic simulators including a Steam Boiler, Natural Gas Turbine, and Basic Combined Cycle Power Plant. Trainees will have an opportunity to startup each piece of equipment as well as spend time troubleshooting common malfunctions related to boilers, turbines and combined cycles. Operations that promote both safety as well as optimization are stressed throughout the course. The material of the course is applicable to chemical sites, petrochemical sites, and any other facilities that operate boilers, turbines and combined cycles.

LEVEL- Foundation

DESIGNED FOR

This training course is useful for Console Operators, Outside Operators, Console Supervisors, and Young Engineers that work with boilers, turbines and combined cycles.

YOU WILL LEARN HOW TO

- Improving knowledge of fundamental engineering and operating principles
- Understanding of basic unit operations
- Increasing operator confidence levels
- Improving basic operational skills
- Operate the Natural Gas Turbine as an Outside Operator
- Operate the Natural Gas Turbine as a Console Operator
- Improving knowledge of fundamental engineering and operating principles
- Understanding of basic unit operations
- Increased operator confidence levels
- Improved basic operational skills
- Proper use of the simulator will provide the operator with:
  - A better knowledge of unit operations
  - Proper operating techniques
  - The ability to diagnose malfunctions
  - The correct procedures for handling changes in operations
  - An awareness of safety procedures
  - Methods to avoid causing problems