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OIL & GAS REFINING AND PETROCHEMICAL DYNAMIC SIMULATION TRAINING

COURSE CONTENT

- Principles of heat and mass transfer processes
- Facility familiarization
- Control system operation
- Facility start-up and shut down
- Emergency situations
- Safety procedures
- Troubleshooting
- Plant optimization
- Controller tuning
- Competence assessment
- Debriefing and event analysis
- Software that be used
 - a) Centum VP Emulation Software
 - b) Honeywell Experion Emulation Software

ABOUT THIS COURSE

The Operator Training Simulator is a dynamic real-time simulator for teaching and learning different aspects of a Refinery/ Petrochemical/ Gas Processing plant, here after called “Oil and Gas simulator”. The Oil and Gas Simulator is designed to create a safe and informative environment for expanding knowledge and experience within areas such as:

- Process behavior
- The concept of a DCS system and its interaction with the process
- The purpose and functionality of a shutdown system
- Trouble shooting and analyzing
- Identifying ways to optimize production

TARGET GROUP

The course is designed to help train new recruits working in the Oil & Gas refining & processing.

DURATION

9 days