Course Overview:

Start-up operations are riskier than normal, routine operations. The process needs to be planned and managed. The Pre-Start-Up Audit (PSUA) or Pre-start-up review (PSUR) is a part of the planning process for projects during which the safety and functionality of the process itself is checked to ensure that all systems should function as intended and that potential hazards have been considered and can be dealt with. This process is used in projects related to construction, reconditioning or repair of equipment and facilities designed to process hazardous substances.

Course Objective:

- Understand the importance of Policies, Procedures, and the Risk Assessment Process
- Identify potential plant, process and work task related hazards and risks associated with start-up operations
- Understand the relevance and the importance of human factors, such as errors and violations, in incident causation
- Understand the audit process and relate this to Start-up Operations
- Be part of the Audit Team

Course Outline:

1. Health and Safety Drivers within the organization
2. The Role of Policies and Procedures
3. The Principles of Risk Assessment
4. Process Safety and Personal Safety
5. The role of Contractors
6. Types of self-audit systems
7. Proactive and reactive monitoring of performance
8. Incident Causation and the role of "Barriers"
9. Auditing to check the integrity of the "Barriers"
10. Reactive Monitoring and Proactive Monitoring
11. Designing Audit Questions
12. Document Control
13. Camp Facilities
14. Industrial Facilities
15. Personal Protective Equipment
16. Safety Culture Awareness

Who Should Attend:

- Professionals with responsibility for managing contractors
- Those with responsibilities for plant start-up, etc.
- Production, process, maintenance, and HSE personnel
- Line-managers and senior supervisors
- Safety Team Leaders and Health & Safety Champions

Training Language:

Eng/Ar

Training Methodology:

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