

H S E

HEALTH

SAFETY

ENVIRONMENT



Contact us

Website: <https://btsconsultant.com/>

Email: info@btsconsultant.com

UAE office Tel: +971 26446633

Egypt Office Tel: +2 0502308081

Risk Based Process Safety Management (RBPS)

Duration: 5 Days



Introduction:

This course will assist companies to reduce risk and avoid losses reducing from the unintended releases of toxic, reactive, or flammable liquids and gases in processes involving highly hazardous materials. RBPS also has industry-wide benefits as an incident at an unrelated company negatively affects the public's perception of the entire chemical and oil industries.

Who Should Attend?

Team Leaders, Managers, Line Managers, Supervisors, Team Leaders, Project Managers, Control Center Operators and Supervisors, Emergency Dispatchers, Security Personnel and CCTV Operators, HSE Officers, HSE Personnel, HSE Professionals, Emergency Response Team Members, HSE Managers and Auditors, Health & Safety and Environmental Professionals, Coordinators, Specialists and other full-time safety practitioners, Fire Officers, Loss Control Managers, Security Directors and Managers, Security Supervisors, Facilities Directors

Course Objectives:

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

- Distinguish between occupational safety and process safety risks
- Understand how major accidents happen in the chemical and oil industries
- Understand and discuss the principles of inherently safer design
- Understand the framework for Risk Based Process Safety Management
- Understand and discuss application of the twenty elements of RBPS
- Understand the auditing system of PSM
- Understand some process hazard analysis techniques such as SIL & LOPA

Course Outline:

- Importance of process safety management
- Key requirements of process safety management
- Process safety culture and competency
- Compliance with standards
- Authentic leadership and commitment to process safety
- Training and performance assurance
- Management of change
- Operational readiness
- Operational discipline
- Emergency management
- Incident investigation
- Measurement and metrics
- Auditing
- Management review and continuous improvement
- Contractor management
- Process safety culture

- Compliance with standards
- Process safety competency
- Workforce involvement
- Overview of LOPA & SIL
- Process knowledge management
- Hazard identification and risk analysis
- Operating procedures
- Safe work practices
- Asset integrity and reliability