

PROCESS SAFETY MANAGEMENT (PSM)

Process Safety Management (PSM) is not new - It has been an integral part of Design, Construction, Operations and Maintenance of process facilities for many years. However, there have been systemic gaps – in the US, UK as well as across the world. Multiple serious accidents in the oil and gas and chemical industries have repeatedly highlighted the needs for Companies to address PSM more systematically and consistently – and US and UK Regulators and other Stakeholders have been demanding improvement.

CW International can help Companies immediately analyse and review their Facilities and their Management Systems as a PSM Health Check, identify any particular deficiencies and define and implement remedies – and as usual for CWI with ‘Simplicity’ and ‘fit for purpose’ are the guiding principals.

Facility PSM Process Hazard Analyses and Analysis Reviews:

Review and assessment of the PSM PHA processes and tools applied during Design and Construction of facilities and being applied during Operations and Maintenance. Initial runs or re-run, revisits of some of the specific tools and studies used e.g.

- Checklists / What If Checklists
- HAZard IDentification (HAZID) Studies and the resulting Hazard Registers
- HAZard and OPerability (HAZOP) Workshops and Studies
- Failure Modes and Effects (FMEA) Analysis
- Fault Tree Analysis

PSM Management System Standards, Procedures and Guidelines:

Review and health assessment of key expected PSM Standards, Procedures and Guidelines against either (or both) popular models:

OSHA 3132 – PSM Standard (14 Elements)

- Employee Participation
- Process Safety Information
- Process Hazard Analysis
- Operating Procedures
- Training
- Contractor Obligations
- Pre-startup Safety Reviews
- Mechanical Integrity
- Hot work Permits
- Management of Change
- Incident Investigation
- Emergency Planning and Response
- Compliance Audits
- Trade Secrets

UK Energy Institute Framework (21 Elements)

- Leadership & Commitment & Responsibility
- Legislation & Standards
- Employee Selection, Competency & Health
- Workforce Involvement
- Communications with Stakeholders
- Process Safety Leadership
- Hazard Identification & Risk Assessment
- Documentation, Records and Knowledge Management
- Operations Manuals & Procedures
- Process & Operational Status Monitoring and Handover
- Management of Operational Interfaces
- Standards & Practices
- Management of Change and Project Management

*Professional help when
and where you need it*



*Minimising Risk
Maximising Opportunities*

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