



Technical Competencies & Industrial Services

- **Technical Advisory Services**
Industrial troubleshooting, Power Plant operational practices improvement, maintenance audits and supervision for power plant heavy equipment.
- **Energy and Technical Audits**
BEE PAT MEA Audits, M&V Audits, Thermal Power Plants Performance Monitoring, Electrical & Thermal System Energy Audits, Power Quality and Water Audits, Green Audits.
- **Advisory Services**
Expert services for banking loans, plant & machinery valuation, M&A technical due diligence, Independent & lender's engineer services, Certifications & opinions.
- **Engineering Services**
Electrical safety risk assessments, Electrical safety audits as per CEA norms, Thermography studies, Energy recovery from industrial waste heat, Energy monitoring systems, IoT-based real-time parameter monitoring design.
- **Project Appraisal and Monitoring**
Technical due diligence, Project cost investigation & advisory, Feasibility studies, Cost vetting, Independent Engineer services, Chartered Engineer opinions.
- **Sustainability Reporting**
ESG reporting, Decarbonization strategies (SBTi aligned), Sustainable finance & ESG materiality assessments, GHG accounting & carbon credits.

Process Safety Management (PSM) – Services

- **Process Risk Analysis** (qualitative and quantitative)
- **Implementation of full PSM system** in line with regulatory and industry standards
- **Compliance with 14 Elements of PSM** (as per OSHA/CCPS framework)
- **Safety Audits** aligned with relevant ISO standards (e.g., ISO 45001, ISO 14489)
- **HAZOP Studies** (Hazard & Operability) for new/existing plants
- **LOPA Studies** (Layer of Protection Analysis)
- **Root Cause Analysis (RCA)** for incident investigations
- Bow-Tie Analysis
- **HAZID & ENVID Study**
- **HIRA** (Hazard Identification & Risk Assessment)
- **Risk Assessment Studies** (qualitative and quantitative risk assessments)
- **MOC** (Management of Change) system development & audits
- **PSSR (Pre-Startup Safety Review)** facilitation and documentation
- **Independent Third-Party PSM Gap Assessments**
- Safety Case & Safety Integrity Level (SIL) Assessments
- **Regulatory & Standards Compliance Support** (OSHA, CCPS, ISO, OHSAS)
- **Process Hazard Analysis (PHA)** facilitation and reporting
- Safety Culture & Performance Benchmarking



Process Safety Management (PSM) – Trainings

- Building Safety Culture – Leadership Training
- End-to-End PSM Elements Training (covering all 14 PSM elements)
- HAZOP Leader/Team Member Training
- LOPA Methodology Training
- Root Cause Analysis (RCA) Training (tools like, Apollo, ARMS)
- MOC Training (Management of Change process & compliance)
- Process Hazard Analysis (PHA) Methodologies Training
- Pre-Startup Safety Review (PSSR) Training
- Incident Investigation & Reporting Training
- ISO-based Safety Audits Training (ISO 45001, ISO 31010 risk assessment techniques)
- Emergency Response & Crisis Preparedness Training
- Human Factors in Process Safety Training
- Contractor Safety Management Training
- Process Safety Leadership Training (for managers & executives)
- Workshops on Risk, Safety Case & Safety Barriers
- Customized Industry-Specific PSM Workshops (oil & gas, petrochemicals, power, manufacturing, etc.)

Contact:

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