



MUHAMMAD AHMED SAEED

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A goal-oriented individual, in quest of senior level assignments in **HSE Management, Risk Management and Project Management** with a leading organization of high repute

PROFILE SNAPSHOT

A performance driven multi-faceted professional engineer with over **19 years** of qualitative experience in:

- HSE Management System
- Risk Management
- Incident Management
- Quality Management System
- Team Management
- Project Management

- Gained hands-on experience of working extensively in Oil & Gas industry i.e. Refining, Petrochemicals and E&P.
- Expertise in handling **HSE Management Systems** through various programs to attain loss prevention goals.
- Well versed in risk management strategies; **PHA, HAZID, HAZOP and QRA**.
- Proficient in **Process Safety Management** through **HSECES, SIL, LOPA, Bow-tie** to ensure design integrity.
- An expert in handling **Management of Change (MOC)**, Desktop Safety Review, **PSSR, PHSER, Consequence Modelling Emergency Response Plans**.
- **Analytical auditor** advising internal control issues by providing recommendations to mitigate associated risks and enhance operational effectiveness.
- Experienced in formulating **HSE policies** to ensure regulatory compliance with latest codes and standards; NFPA, API, IEC.
- Investigated major hazard incidents.
- Expert in risk management software **OSyS- KMS/ VISIUM KMS** (Knowledge Management System), **Investigator-3** (Kelvin TOPSET's Accident Investigation), **e-PTW** (Electronic Permit to Work System) and PPEs Review & Evaluation.
- Reviewed designs for new projects and upgrade of existing facilities for compliance with company safety standards and good industry practices.
- A team player with exceptional analysing, planning & coordination skills.



AREA OF EXPERTISE

- Creating effective procedures for implementation & achieving HSE objectives at site.
- Implementing the HSE policies and programmes as per corporate plans.
- Ensuring workplaces comply with the HSE legislations by keeping abreast of new developments.
- Auditing internal business processes and providing SMART recommendations to mitigate associate risks.
- Prepare contractor deliverables to meet specific project HSE objectives and expectations i.e. Project HSE Plans, HSE Philosophies, Emergency Response, etc.
- Investigating personal and plant related HSE incidents and reporting them to management & ensuring compliance of recommendations.
- Acting as liaison with local regulatory agencies for the environmental program, ensuring submission of environmental reports & working with Corporate HSE personnel on a frequent basis



EMPLOYMENT DETAILS

Team Leader - Safety	Orpic (Oman Oil Refineries & Petroleum Industries Company)	Since Aug 2018
<ul style="list-style-type: none"> ▪ Improved safety systems to comply with international standards, regulatory / statutory requirements. ▪ Evaluating risk management techniques (i.e. HAZID, QRAs, HAZOP, etc.). ▪ Developed procedures for new state of the art petrochemical complex LPIC (Liwa Plastics Industrial Complex). ▪ Liaising between Project and OMT team for LPIC (Liwa Plastics Industrial Complex) ▪ Hiring & developing new team for LPIC (Liwa Plastics Industrial Complex) ▪ Preparing strategies for smooth project transition between various phases to ensure safe start-up. Developed leading and lagging KPIs to ensure compliance and improve asset integrity. ▪ Developed Safety Information databases. ▪ Ensuring that the design, engineering and construction activities are conducted in accordance with company HSE standards and all applicable international / local legislations. 		

Sr. HSE Engineer *Borouge (Abu Dhabi Polymers Co. Ltd - ADNOC)* *Since Sep 2010*



- Developing HSE procedures to ensure compliance with ADNOC COPs, regulatory / statutory requirements.
- Assisting & evaluating risk management techniques (i.e. HAZID, QRAs, HAZOP, etc.).
- Preparing Process Safety / HSE Plans, Programs and Strategies for plant and new projects.
- Developed leading and lagging KPIs for process safety to ensure compliance and improve asset integrity.
- Developed Process Safety Information database and Asset Integrity Programs
- Ensuring that the design, engineering and construction activities are conducted in accordance with company HSE standards and all applicable international / local legislations.
- Heading the HSE Audit & Assurance Regime; managing, coordinating and providing technical support to identify gaps and relative recommendations in projects, operational and contracted activities.
- Designing, developing and implementing e-PTW system.
- Carrying out internal audits, site HSE surveys, on ad hoc basis to analyze the implementation of HSE Control at the sites.
- Controlling HSE Excellence program to enhance workplace safety culture; HSE Observation Tour Program(STOP by DUPONT) and further integration with functional KPIs.
- Conduct Investigation for Process Safety Incidents, Near misses and Safety related Accidents.
- Rendering technical support to Projects, Operations & Contractors to follow HSE requirements.
- Implementation of the HSE training matrix as per each function plan.

SD & HSE Advisor *MOL Pakistan Oil & Gas Co. B.V.* *Apr 2009 ~ Sep 2010*



- Responsible for developing site specific HSE plans & programs based on the risk & OSHA requirements.
- Accountable for:
 - Reviewing / implementing HSE Management Systems deliverables for new projects during EPC to start-up.
 - Formulating **Process Safety Management (PSM)** implementation.
 - Carrying out gap analysis that uncovered significant risks associated with Process Safety Management (PSM).
 - Auditing to ensure effective functioning of internal controls for efficient operations.
 - Implementing Environment Management Programs as per Environment Impact Assessment (EIA) reports.
 - Checking ERP in exercise / real emergencies.
 - Reviewing Fire Management System preparedness.
- Implemented Contractor Safety Management and resulted in ZERO LTI during plant construction.
- Controlled the annual HSE improvement plans and liaised with other departments for promoting HSE culture.
- Involved with authorized Government, outside agencies and community in HSE matters.
- Collaborated with Field HSE Committee Members and Field Leadership Team on HSE activities.

HSE Engineer *Pak-Arab Refinery Pakistan* *Feb 2005 ~ Apr 2009*
Operation Engineer *Pak-Arab Refinery Pakistan* *Jan 2000 ~ Feb 2005*



- Developed and implemented SOP for HSE and operational activities.
- Handled **Management of Change (MOC)** process by implementing Change Request, Technical Review and HAZOP, in various modifications to enhance production, meet customer requirements without posing any threat to design integrity.
- Executed **IMS** certification for **QMS (9001:2000), EMS (14001:2004) and OHSAS (18001:1999)**.
- Auditing various business processes to identify potential hazards & achieve excellence in safety and loss prevention.
- Commissioned and directed operations for production/quality control, budgeting, administration and troubleshooting of Refinery Tank Farm, Blending, Pipeline and Product Loading operations.
- Supervised Pakistan's largest pipeline operations (KMK and WOPP) to ensure safe and smooth product transfer by coordinating with various pumping stations and further delivery to end users.
- Maintain production targets, schedule, volume processed and volume delivered of the process units.
- Lead and resolve product quality issues.
- Successfully accomplished TLAS integration with Finance module in SAP to automate and safeguard product dispatches.
- Budgeting, administration and troubleshooting for safe and smooth operations.
- Implemented risk assessments / job safety analysis for critical activities in the refinery.
- Collaborated Incident Reporting System for effective control over incidents.
- Created HSE website and plant safety programs which helped to promote HSE culture.
- Efficiently met Marketing section demands of various products deliveries to the Oil & Gas Marketing Companies without interruption, thus contributing towards company's financial targets.
- Develop weekly/monthly production reports.
- Responsible for manpower training, planning and rotation at respective units.

NOTABLE ACCOMPLISHMENTS

- Holds the merit of:
 - Implementing **e-PTW system** (e-vision) at Orpic, Borouge (ADNOC) and **paper PTW system** in MOL Pakistan.
 - Enhancing incident management through KMS up gradation and disseminating among end users.
 - Implementing **Kelvin TOP-SET** Incident Investigation methodology & software (Investigator-3), thereby enhanced investigation & recommendations process to prevent recurrence.
 - 03 Turnaround Excellence Awards for planning and executing major turnaround in Borouge's history with ZERO LTI.
 - Significantly contributed in winning SD & HSE Award for MOL Pakistan among MOL Group Companies.
 - Successfully commissioned NIR RON Analyzer and BPC for Gasoline blending and saved worth 1.0 million \$ per month of gasoline dispatch by transforming manual to automated blending using Yokogawa's blending software.
 - Deftly averted crude oil pipeline rupture by suggesting & executing modification.
 - PPEs up gradation to latest technology, thereby improving usage and reducing incidents.
- Distinction:
 - Received **ADNOC HSE Award** for Borouge Golden Safety Rules.
 - Averting a refinery shut down during emergency shutdown of Naphtha Hydro-treating unit by suggesting and implementing storage of stabilized naphtha into Kerosene tanks which sustained seven days production.
 - Helping in integration of Parco's Pipeline and Fuel Manager (Tank Gauging System) operations with the refinery setup.
 - Implementing TLAS by Emerson, which resulted in the most advanced Gantry in Pakistan having 27 bays of petroleum product.
 - Coordinating with IT to develop Oil Movement Information System (OMIS) for record keeping and tracking of Oil Movements.
 - Directing a two shift team of 60 contractual employees.
 - Developing and implementing JIG checklist for QC of aviation fuel production and dispatch.
- Played a pivotal role in reducing incidents frequency rate of department to 40% by effective implementation of PTW system.

ACADEMIC DETAILS

- **Bachelors** of Chemical Engineering from University of Engineering & Technology, Lahore in 1998 with **70%** marks
- Higher School Certificate from Government Emerson College, Multan in 1992 with **75%** marks
- Secondary School Certificate from La-Salle High School, Multan in 1990 with **80%** marks



OTHER DETAILS

- Deftly worked on:
 - Most sophisticated DCS (YOKOGAWA's Centum CS) & TGS of Refinery Operations.
 - SAP
 - MAXIMO - Computerized Maintenance Management System
 - Plant Information & Control System by Honeywell
- SAP-SD Module Business Key User for integration with Refinery Operations.

TECHNICAL PURVIEW

- Well versed with:
 - Safety software
 - MS Office
 - Visio Tech 5.0 / 2000
- Internet Applications



PROFESSIONAL ENHANCEMENTS

- Functional Safety Professional - SIS by Risknowlogy (TUV)
- Nebosh International Diploma IDip - Shields
- Advanced PHA Leadership by Haward Technologies
- Safety Leadership Training
- Incident Investigation Team Leader - Kelvin TOP-SET
- Refinery Loss Control Committee Member
- Emergency Response Team Leader
- Accident Investigation & Prevention by OSALP
- KAIZEN – improvement by PIMS
- Powerful Presentation Skills by Biz-Ability
- Effective Communication Skills by PIMS
- Safe Lifting and Rigging Practices by MAXTRAIN
- Leadership for Everyone by HR-PARCO
- Extensive Process Training in National Refinery Limited (NRL)
- Pakistan Engineering Council (PEC)- Life time member
- Olefins Academy-Linde
- First Aider

PERSONAL DETAILS

- Date of Birth: 28th December, 1975
- Languages Known: English and Urdu