



Mirza Humayun Baig

Chemical Engineer | HSE Advisor / PSM Expert | HSE Trainer

Professional Profile: HSE Trainer & QHSE Expert

Highly experienced QHSE and Plant Operations professional with over 31 years of extensive expertise in the Petrochemical, Oil & Gas, and Refinery Construction and Operations sectors. Proven track record of leadership in Health, Safety & Environment (HSE) with a strong focus on training and development, process safety, and operational excellence.

Served with distinction at Cnergyico Pk Limited, the largest oil refinery in Pakistan, and previously with Saudi Aramco, a global leader in energy, in key HSE roles. Successfully led the alignment and implementation of the DuPont Process Safety Management (PSM) System as a PSM Champion, including the development of Level I and Level II PSM SOPs.

Spearheaded the design, development, and execution of a comprehensive HSE Training and Development Framework for the entire refinery site, ensuring continuous capability enhancement and compliance with international QHSE standards. Delivered structured and targeted HSE training sessions for all levels of the refinery workforce, as part of the HR Workforce Development Plan at Cnergyico.

Recognized for a proactive approach to safety culture, training excellence, and regulatory compliance. Adept at creating impactful learning experiences, developing tailored training modules, and driving organizational safety performance through education and awareness.

CARRER OBJECTIVES: -

To leverage my extensive experience and professional certifications as a **QHSE Advisor** in a dynamic and challenging environment that offers opportunities to apply my expertise in **workforce training, safety leadership, and operational excellence**. I aim to contribute meaningfully by **enhancing HSE performance, improving operational efficiency, and promoting a strong safety culture**, ultimately supporting organizational growth, compliance, and profitability.

**EXPERTISE: -**

✓ Personal Safety	✓ Incident Investigation	✓ HSE Audits	✓ SIL & LOPA	✓ Permit to Work System
✓ DuPont PSM	✓ ERP	✓ JSA	✓ MOC	✓ HSE Training
✓ Process Safety	✓ HAZOP	✓ RMA	✓ PSSR	✓ Construction Safety
✓ Risk Assessment	✓ HAZID	✓ PHA	✓ Behavior Base Safety	✓ Leading & Lagging indicators

ADEMIC BACKGROUND: -

MSc - Environmental Engineering	2000	NED University of Engineering and Technology, Karachi, Pakistan.
Bachelors - Chemical Engineering	1990	NED University of Engineering and Technology, Karachi, Pakistan.

CERTIFICATION: -

NEBOSH IGC (International General Certificate in Occupational Health & Safety) – February 14, 2025

EXPERIENCE: -

Nov 2023 – Till Date	02 years	Head – ERT (Emergency Response Team) Cnergyico Pk Limited-Pakistan
May 2008 – October 2023	15 years	Manager – HSE Cnergyico Pk Limited-Pakistan
Sep 2007 – March 2008	Around 01 years	Superintendent - HSE Reko Dig Projects Pakistan
Jan 2007 – Sep 2007	Around 01 years	Head – HSE China Petroleum Engineering Construction Corporation- Karachi, Pakistan
Aug 2004 - Dec 2006	2.5 years	Safety Engineer - HSE Saudi Aramco Lubricating Oil Refinery-KSA
Dec 2000– Jan 2004	04 years	Engineer – HSE Nation Refinery Limited- Karachi, Pakistan
Jan 1992 -- Dec 2000	08 years	Operations Engineer Nation Refinery Limited- Karachi, Pakistan

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TRAINING:-

- “Training Course on High Quality Automotive Fuel Production” by Japan Cooperation Center Petroleum (JCCP), Japan.
- “Quantitative Risk Assessment” by GLOMACS Dubai, UAE
- “Oil Spill Response (IMO Level1 & 2)” from Istanbul Turkey.
- PSM Champions
- Industrial Waste Management

KEY SKILLS AND COMPETENCIES:-

- Proficient with MS Office suite
- Well versed in local & International (US/ UK) HSE Laws & Regulations
- Interpersonal Skills
- Initiative and Proactive
- Problem Solving skills
- Team Player

HEALTH, SAFETY & ENVIRONMENT TRAINING & DEVELOPMENT

- EHSS Policy Socialization
- Health, Safety & Environment Training
- Permit to Work System
- OHIH- Occupational Health & Industrial Hygiene
- PSM-Process Safety Management 22 Elements
- Work at Height
- Scaffolding inspection
- Electrical safety
- HazCom
- Hazard Analysis
- Risk Assessment
- Incident Investigation Analysis
- Confined Space
- Basic Firefighting Training
- Emergency Preparedness & Response
