



## Shariq Hasan

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Senior PSM Expert

A seasoned chemical and process safety professional with over 15 years of international experience in process safety management, risk assessment, and operational safety across oil & gas, petrochemical, and metallurgical sectors. Expert in leading and facilitating Process Hazard Analysis (PHA) studies, including HAZOP, HAZAN, What-If, Bow-Tie, and LOPA/SIL assessments across all project lifecycle phases, from FEED and detailed engineering to Pre-Startup Safety Reviews (PSSR).

He brings strong expertise in implementing and enhancing Safety Management Systems (SMS), including Management of Change (MOC), PHA revalidation, and Process Safety Information (PSI). Adept at advising senior leadership on aligning safety strategies with regulatory frameworks such as OSHA PSM (29 CFR 1910.119) and EPA RMP (40 CFR 68).

His technical capabilities include Safety Instrumented Systems (SIS), Safety Integrity Level (SIL) determination, cause and effect analysis, and control system narratives. Proficient in industry-standard tools including PHA-Pro and Bow-Tie software. He has also contributed to project execution through development of scope of work, cost estimation, budgeting, and resource planning.

Earlier experience includes commissioning and operation of hydrometallurgical pilot plants, with hands-on involvement in autoclaves, solvent extraction, filtration, and metal recovery systems, alongside process optimization and operational safety compliance. He has supported incident investigations, audits, and HSE reviews. He holds a Master of Engineering in Chemical Engineering from Ryerson University, Canada, and postgraduate qualifications in Applied Chemistry from the University of Karachi. He has completed advanced training in PHA leadership and risk assessment methodologies from globally recognized institutions.