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**VUSAL SHAFIYEV (Ph.D)**

**SUMMARY OF QUALIFICATIONS**

Chartered Engineer (IChemE 99932661) with over 10 years of experience in the Upstream Oil and Gas industry combining engineering, detailed design, technical troubleshooting, commissioning, project management and leadership. Managed a multinational team of process and process safety engineers and was responsible for providing Process Engineering and Technical Safety Assurance to key stakeholders in the Operations, Asset Engineering teams, Integrity & Reliability and Project teams.

Currently, being a part of Leadership Team, I am working as a Sangachal Terminal Engineering Team Leader, reporting to Sangachal Terminal Manager and leading the multinational and multidiscipline team of Mechanical Engineers, Process, Process Safety, Instrument & Control, Control & Automation, Electrical and Operation Support Engineers for managing Sangachal Terminal silent running, production enhancement, reliability and process safety risks

**WORK EXPERIENCE**

October 2018 - Till present Area Engineering Team leader, BP North Sea

July 2015 – September 2018 Sangachal Terminal, **BP**, Azerbaijan

**SANGACHAL TERMINAL ENGINEERING TEAM LEADER**

* Provide daily engineering support to Sangachal Terminal Operation (1040 mmscfd Gas processing plant, 1200 mbd Oil processing plant, 100mbd Produced Water processing plant, two oil export pipeline stations and one gas export compressor station) and act as a first point of contact for any engineering query from the Operations team
* Facilitate the delivery of process safety, integrity and environmental performance of Sangachal Terminal
* Responsible for delivery of minor installation modifications and repairs, installed production capacity increase, Verification and Approval all Sangachal Terminal Technical Management of Change and accountable for technical approval of Engineering documents including operations procedures, P&IDs, Design Basis etc.
* Chairman of Process Safety Integrity Management, Anomaly, Production and Reliability meetings where managing the defect elimination, initiating RCFA for production losses and identifying production vulnerabilities and verifying the effectiveness of actions (both assigned and completed)
* Accountable and GateKeeper for 12 week Activity plans and Engineering budget
* Ensure the support and self-verification checks conducted on key operation and engineering processes like Operational Risk Assessments, Locked Open/Close Valve management, Overrides and Long Terms Inhibits, Management of Change compliance, Activity Planning gate readiness
* Responsible for monitoring the key performance indicators for safety, reliability and availability of protective systems and devices and other layer of protections
* Owner of Sangachal Terminal Risk register containing all identified risks (from HAZOP, LOPA, QRA etc.) and with agreed mitigation actions and scheduled implementation dates.

October 2012 - June 2015 **BP**, Azerbaijan

**PROCESS AND PROCESS SAFETY ENGINEERING TEAM LEADER**

* Lead and support risk management and hazard identification activities associated with engineering modifications (e.g., HAZOPs, LOPAs, HAZIDs, What-Ifs, Human Factors Analysis etc.) and managing operational defects (Hazard Identification and Task Risk assessment, Operational Risk assessment)
* Custodian of critical Process and Process Safety studies and documents (HAZOP/ LOPA Reports, Hazard Management Measures/ Performance Standards ,Cold Vent Register, Register of Safety Critical Equipment/ Safety Related Devices, Safety Requirement Specifications, Fire Hazard Analysis (FHA), Vapour Cloud Explosion Analysis (VCEA), Major Accident Risk studies, Occupied Buildings Studies, QRAs)
* Day to day management of multinational Process Engineering & Process Safety team (including mid-year reviews and performance appraisals, prioritization and allocating workload based on expertise and resource availability, mentoring, coaching, hiring and team headcount management)
* Providing Process and Process Safety Engineering input and review of site & system operating procedures
* Providing Input to technical enquiry requisitions to vendors, technical bid evaluation of vendor offers, vendor drawings and data review/approval,
* Ensure consistent approach to “fitness for service” philosophy across Azerbaijan-Georgia-Turkey Region assets - and responsible for relief systems, active and passive fire protection barriers, leading Produced Water long-term strategy for region.
* Lead Pre Start-Up Safety Review sessions and approve close-out action plans
* Lead plant optimization projects (Old crude oil plant mothballing, Produced Water plant capacity increase by 20%, pipeline blending trials, and natural gas pipeline capacity increase by 15%)
* Manage Engineering/Technical queries, Project initiation, HAZOP and LOPA recommendations closure programme and approve the engineering responses to actions.
* Liaise and coordination with Project Managers / Lead Engineers from other Disciplines for the inter-disciplinary tasks

Sept 2011 - Oct 2012 **BP**, Georgia

**PROCESS AND PROCESS SAFETY ENGINEERING TEAM LEADER**

* Managed the Process and Process Engineering team to ensure the team is capable of supporting the operations at and BTC, SCP, WREP pipelines (including 13 Pump stations and Marine loading terminal)
* Oversee site Operations hazard and risk analysis and asset HSE Risk Register development and scheduled reviews
* Monitoring, recommending and approving parameters to ensure plant operations remain within safe range of design
* Providing technical guidance on the application of codes and standards with respect to process and process safety engineering
* Identify requirements for plant modifications and improvements and manage the scoping and implementation of modifications using the Management of Change process, approved standards and procedures
* Providing Process and technical safety leadership and assurance in the areas of risk management safety, facility integrity management
* Leading Exports 5-year HAZOP and LOPA revalidation programme in Azerbaijan, Georgia and Turkey
* Providing Process Engineering support to the Integrity Management Conformance programme
* Review and approval of safety designs such as hazardous area classifications, fire gas detection system layout, and safety equipment drawings

Sept 2005 - Sept 2011 **BP**, Azerbaijan

**PROCESS ENGINEER**

* Reviewing and checking various process deliverables like PFDs, P&IDs, relief systems calculations, heat and material balance, basis of design documents and philosophies, Cause and Effect Diagrams received from internal project group and vendors.
* Developing “Silent Running KPIs” (Key performance indicators) for Operational assets
* Preparation of commissioning and start-up, procedures; review of plant operation procedures.
* Providing support to site engineers and operations support engineers on technical query issues
* Participation as an individual process engineer to HAZOP, HAZOP, LOPA, What-If, Operational Risk Assessments, PHSSER,
* Preparation of crude oil export pipeline entry specifications parameters for Western Route Export Pipeline.
* Conduction Engineering Technical Practices “Gap Assessments” for operational assets
* Developing the Fuel Gas saving strategy for Baku-Tbilisi-Ceyhan pump stations.
* Operational and process support for DRA (Drag Reducing Agent) project - 20% increase of pipeline capacity: Responsible for leading the re-commissioning activities, start-up of DRA unit; cleaning, flushing activities, preparing commissioning method statements, organizing weekly DRA start-up progress meetings and passing the lessons learned to all assets across Azerbaijan Georgia and Turkey
* Lead Drag Reducing Agent optimization trials across Azerbaijan-Georgia-Turkey, provided trainings to all asset personnel about safe start-up, shutdown, troubleshooting and optimal chemical dosage rates.
* Providing Process Engineering support for Glycol Dehydration Unit Commissioning project at Chirag Offshore Platform
* Preparation of operating instructions of brand-new offshore platform for new hired engineers, operators and technicians

**EDUCATION**

**Institute of Petrochemical** **Processes**, Baku, Azerbaijan, 2005-2010

PhD, Petro-chemistry

**University of Florida**, Gainesville, FL, USA 2006-2008

ME, Chemical Engineering (GPA 3.95 out of 4.0)

**Moscow State University**, Moscow, Russia 2000-2005

BSc and MSc, Chemistry and Chemical Technologies (GPA 4.2 out of 5.0)

**TRAININGS**

Process Safety / Integrity Management Fundamentals; Practical HAZOPs; Flow Assurance; Upstream Process Engineering; Introduction to Managing Projects; Practical Shutdown and Turnaround Management for Engineers; Advanced Layer of Protection Analysis (LOPA); Facilities Engineering for Production; Upstream Finance & Economics; Hazard Identification (HAZID); Inherently Safer Design; Introduction to the Engineering and Quality Guidelines; Overpressure Protection; E&P Supply Chain; Major Accident Hazard and Risk Management; ABB Pressure safety valves Sizing & Selection; Gas Conditioning and Processing -G4 (J.Campbell); Advanced HAZOP for Chairman; Pipeline Studio Advanced Simulation and Modeling; IChemE - New to Management;

**SKILLS AND LANGUAGES**

* Fluent in English, Russian, Turkish and Azerbaijani
* Chartered Member of IChemE, [www.icheme.org](http://www.icheme.org), member. no: 99932661
* Board Member of FEANI member “Caspian Engineers Society” organization
* Advanced user of MS Windows OS and MS Office family package programs, HYSYS, Pipeline studio, FlareNet, PipeSim, BP Cirrus, HTRI Xchanger Suit, ChemWin,
* Strong communication, interpersonal and presentation skills; enthusiastic, creative & innovative; can easily adapt to new locations and diverse environment