**CANDIDATE**

SHAKEEL ABDUL VAKKIL

**PERSONAL DETAILS**

**Location**: **UAE**

**QUALIFICATIONS**

MSc CHEMICAL ENGINEERING UNIVERSITY OF NOTTINGHAM

**CAREER SUMMARY**

**2022 – PRESENT**

**PROCESS ENGINEER**

**WOOD**

• Mayden Mazen and Bul Hanine Offshore Field Redevelopment (MMBH) – Qatar

Energy, FEED, QATAR

Responsibility – Flare System Network design. Performed Blowdown Calculations and RO sizing using Blowdown Utility in ASPEN HYSYS. Developed the Flare network in ASPEN FLARENET. Developed P&IDs, PFDs of Well Head Jackets.

**2021 – 2022**

**PROCESS ENGINEER**

**WORLEY**

• MERAM (Maximizing Ethane Recovery and Monetization) – ADNOC Onshore, FEED,

UAE

Scope of work – To Maximize Ethane Recovery from Residue Gas from various ADNOC Gas

Processing Plants and transport ethane rich NGL to relevant processing facilities

Responsibility - Developed Process Engineering documents such as BFDs, PFDs, Philosophy Documents, Equipment List, Utility Summary. Performed Line sizing, PSV sizing, Pump Sizing, Knock Out Drum Sizing calculations. Responsible for Low Temperature/Acid Gas/Hydrocarbon Flare Header sizing using ASPEN FLARENET.

• LZ Early Production Scheme 2 - ADNOC Offshore– Study Project, UAE

Scope of work – Study design change of drilling wells from Central Island to New Well Head Towers.

Responsibility - Developed Process Engineering documents such as BFDs, PFDs, Philosophy Documents, Equipment List, Utility Summary. Simulation of New Export Gas Compressors and Gas Dehydration Unit. Performed Hydraulic Calculation, Well Fluid Characterization, Developed Heat & Material Balance for the Study.

**2019 – 2021**

**Process Engineer**

**CHINA PETROLEUM**

• Sales Gas Pipeline Network Enhancement Project- ADNOC – FEED Project, UAE

Scope of work – Design of New Compressor Station, Pipelines inside and Outside Abu Dhabi.

Responsibility - Developed Process Engineering documents such as BFDs, PFDs, P&IDs,

Philosophy Documents, Datasheets, Line List, Equipment List, Cause & Effect Diagram for Pipelines and Compressor Station. Performed Hydraulic Calculations, PSV Sizing Calculations, Kock Out Drum Sizing Calculation, Control Valve Sizing Calculation.

• Ras Markaz Crude Park Project- OTTCO - EPC Project for Crude Oil Tank farm, Slops/Oil recovery tanks, Utility system, Oman.

Scope of Work - The design & Installation of the offshore VLCC tanker unloading and

Loading facility, SPM, PLEM, onshore pipeline, Crude booster pump facility, tanks for slops and recovered oil and utility system.

Responsibility - Developed PFDs, P&IDs, Design Basis, Cause and Effect Diagram, Philosophy Documents, Datasheets. Performed Line Sizing, Pump Hydraulic Calculations, PSV Sizing Calculation. Performed Steady State pump simulation using PIPESIM and Transient Simulation using OLGA. Attended review meetings and study meetings such as Design Review, HAZOP, HAZID

**Summary**

Process Engineering professional with experience in process design of Oil and Gas facilities. Hands on experience in FEED, Concept Study and EPC projects. Experience in design of Process equipment such as Pumps, Vessels, PSVs, and compressors. Hands on experience in depressurizations studies, blowdown/relief load calculation, Flare System modelling using Aspen FLARENET,steady state and transient/dynamic modelling, process simulation and optimization using ASPEN HYSYS, SPS, PIPESIM & OLGA. Hands on experience in Plant Commissioning & Start Up.

For further information please contact Jan Johnston on 01695 570 696 or email janj@johnston-vere.co.uk