**CANDIDATE**

Mohammed Adel Nassar

**PERSONAL DETAILS**

**Location**: **UAE**

**QUALIFICATIONS**

Bsc of chemical engineering from faculty of engineering Cairo University

**CAREER SUMMARY**

**2022 – PRESENT**

**Technical Sales Support Eng. Schlumberger**

• Support SLB Geo units in all technical activities for Symmetry Process simulation and Flaresim

• Build MENA process technical team and ensure service delivery.

• Achieve Process business KPI

• Present Symmetry features and capabilities for debottlenecking and optimizations studies.

• Deliver flaresim radiation and dispersion calculation studies.

• Support SLB Geo units to increase symmetry & Flaresim market share in MENA

• Cooperate with our clients to solve their process bottlenecks and challenges.

• Utilities our simulation capabilities for Co2 Capturing (CCUS), emissions monitoring, reduction and management to achieve net zero goals.

• AI/ML for process solution to create fast, accurate and predictive systems integrated with slb partners solution (dataiku, Geminus, ...etc)

• Online optimization and digital twin projects

• Present Cognite data fusion plat form and its capabilities for digital solution (APM, Digital Twin, maintenance schedule, Digital operation, asset twin, ..etc)

**2019 – 2022**

**Senior Prcoess Eng. ONSPEC Tawakol (OTEC)**

• Train, lead and support the modeling and simulation team to perform their activities.

• Project management

• Assure the project deliverables and time schedule compliance.

• Prepare technical and commercial proposals for different process studies.

• Technical discussion and project planning to solve the client challenges.

**2013 – 2019**

**Process Eng. OMSPEC (OTEC)**

• Steady State /Dynamic Modeling and simulation of oil and gas process.

• Developing dynamic simulation studies.

• Developing OTS system for different plants.

• Contribute to Basis for Design, Basis of Design, and Project Specifications/Philosophies.

• Carry out/review Process Simulations Models and Flare & Blowdown Simulations.

• Generate/review Heat & Material Balance (H&MB) Tables.

• Develop/review Process/Utility Flow Schemes and Control Narrative.

• Develop/review Process/Utility Engineering Flow Schemes and Process Safeguarding Flow Schemes.

• Review Sizing for Process Equipment and Relief Valves.

• Process control for oil and gas processing industries.

• Participate in the different design stages (conceptual design, feed and detailed design)

• Performs other related duties such as writing technical reports, carry out technical studies.

• Process engineering activities such as developing

**Review:**

o Basis of Design (BOD)

o Control Narrative

o PFD

o PSV &BDV design

o P&ID

o C&E matrix

o Equipment Design

o Optimization

o Energy management

o Conceptual selection and cost estimation

**Summary**

11+ years of experience in process engineering activities (design, simulation, BOD, PFD, P&ID, C&E, ..etc) for different gas plant , refinery , H2 production and CCUS

Optimization and debottlenecking studies, Energy management, AI/ML modeling, digitalization and digital twin Business Development activities and sales strategy implementation to meet targets and sales plan

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