

Zain Anwaar

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Professional Profile

Competent Process optimization and Process Plant Operation engineer having **5+ years** of working experience in the Oil & Gas sector. EPC projects with international companies, Onshore Operations. Experience in multinational organizations with operations & Consultancy services for Operation/Process Optimization of Oil & Gas Plants.

Experience

June 2019 to Present – Técnicas Reunidas, Abu Dhabi, UAE.

Operations Support



- Manage the effective achievement of departmental objectives through the leadership of Operations Department - setting individual objectives, managing performance, developing and motivating staff and providing formal and informal feedback and appraisal - in order to maximize performance of peers & subordinates.
- Manage, control, and monitor all processing facilities including production & injection wells, three-phase separator, produced water treatment and disposal system, emergency Power Generator and oil metering system in a safe and efficient manner to meet daily targets and specifications.
- Lead the implementation of new processes, technology and project commissioning. Initiation and execution of Management of Change requests.
- Manages the diagnosis and troubleshooting of operating problems to ensure minimum equipment downtime and minimize production losses on a 24-hour standby basis.
- Closely monitors production and operating parameters and directs operations to safely maximize efficiency and meet production target.
- Manage all vessels & pipeline inspection and surveillance with third parties to identify and manage anomalies.
- Safe shutdown and Start-up of Plant.
- Walk-down of new tie-ins as per IFC P&IDs.
- Participation in HAZOP, HAZID, SIL, SIMOPS and PSSR.
- Well aware of e-PTW system.
- Prepare reports for all abnormalities and alarm management system. Produce specialized reports as required, such as recommendations for improvements pertaining to safety, energy saving, cost saving and operation convenience.

Applus+ Velosi Certification Services L.L.C. (Abu Dhabi)

Site Engineer

April 2016 to March 2019

Client Name: Abu Dhabi National Oil Company (ADNOC) Onshore
Project Title: Update Operating Manuals and Procedures (OP&Ms) for ADNOC Onshore Fields, Terminals & Pipelines-Full Implementation across ADNOC Onshore Assets (Phase-II).



Project Activities:

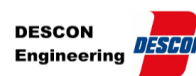
- Develop Compliance & updating of Procedures, Commissioning startup & shutdown guidelines & check sheets for Plant and Well site.
- Adhering to strict HSE standards, participating in TRA's, Risk Assessments. Well Familiar Near Miss/Hazard/incident & Accident reporting.
- Panel Operations with both HMI based PLC's and DCS control system.
- Mass and Energy balances of Process equipment's, including production figures reporting.
- Up gradation of PFD's, UFD's and P&ID's.

- Preparation of Daily Production / Jobs status / Morning reports. Energy and Process Optimization of plant.
- Participating in pigging operations and Pipeline Corrosion Management Program.
- Chemical injection and lube oil consumption monitoring & budget planning cost effectively.
- Supervise Contractor's activities during detailed design, construction, pre-commissioning and commissioning stages, including review of reports, meetings, monitoring of resource levels, monitoring of compliance to Shell DEP's HSE etc.
- Follow up and management of safety and audit related open action items.
- Preparation of schematics for SQM (SHAH / QUSAWIRAH / MENDER) site
- Understanding of ADNOC Onshore systems like PIES, GIS, MAXIMO and EDMS
- Pre-Commissioning / Commissioning & Punch Listing of new projects including Wellhead compressors and new Wells
- Gas wells network, wells work overs & bottom hole pressure surveys.
- Remote Manifold Stations operations.
- Coordinate and supervise Well site maintenance activities & testing operations on well site and carry out evaluation of test results.
- Controlling of wells remotely through SCADA (Supervisory Control & Data Acquisition).
- Participating in Well site activities including Pigging (dewatering, Batch & intelligent) with calculations and Wellhead Compression & CI Injection.

Other responsibilities include:

- Preparation of list of modifications for each site.
- Preparation of Project Definition Report (PDR).
- Preparation of weekly progress report.
- Preparation of monthly progress report.
- Preparation of Minutes of Meeting.

**Internship at DESCON Headquarters, 18-km, Ferozepur Road, Lahore.
(14th July, 2014 – 14th August, 2014).**



Have done a four-week internship in DESCON Headquarters.

- *Project Management:* Learnt about planning and guiding **project** processes from start to finish.
- *Primavera Software:* Acquired knowledge to operate primavera for project management.
- *Communications:* Made communications within the organization as well as with vendors.

The Pakistan Council of Scientific and Industrial Research (PCSIR).

Have worked with a researcher from New Castle University, on the **pyrolysis** of waste material to get combustible gases. Also, worked on the **Torrefaction** and **Gasification of biomass**.

Education

Bahauddin Zakariya University (NFC I.E.T.) (3.48/4)

Bachelor of Science, Chemical Engineering

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION (80.7%)

F.Sc. (Pre-Engineering)

Got 1st Division.

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION (83.9%)

Matriculation.

Got 1st Division

Multan, Pakistan

2011-2015

Multan, Pakistan

2009-2011

Multan, Pakistan

2007-2009

Academic Activities

Final Year Project

Multan, Pakistan

Proposed following things for **Sulphur Reduction of 15000 BPD Diesel Fuel**.

- Process Flow Diagram

- Material and Energy Balance
- Designing of Equipment
- Cost Estimation
- Instrumentation
- Material Safety Data Sheet
- Plant Location

Joined **PARCO** for a week to grasp proper knowledge about our project.
Led my group to complete project in time.



Mini Project

Extraction of perfume from rose petals by condensation.

Certifications

Authorized Gas Tester (AGT) for ADNOC Onshore

Certificate for Confined Space Entry

Certificate for Permit to Work System

H₂S and SO₂ Program form ABCS Safety Training

Have completed the Certification for H₂S and SO₂ knowledge in Oil & Gas specifically.

- How to recognize Hydrogen Sulphide and Sulphur Dioxide.
- The hierarchy of control.
- Safe work procedures.
- Flaring and SO₂.
- How to protect yourself and co-workers in emergencies.



Scan to verify

Hazard Assessment Process Program form ABCS Safety Training

Thoroughly completed and build familiarization with Hazard Assessment Process.

- Brief Process of Hazard Assessment process.
- Stop and think.
- Hazard Identification.
- Assess the Hazard.
- Hierarchy of controlling the hazards



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PIPE01X: Introduction to Oil Country Tubular Goods

Have done the above-mentioned certification from the **Tenaris University** and explored the followings:



- Introduction to OCTG products
- Learnt about steel grades
- Explored about connections used in piping
- Got knowledge about String Design and Material Selection
- And whole production process of pipes

Continuous Professional Development. PEB-P-NFCIET-0024 (9th June, 2015).

- Working Guide to Process Equipment.

Additional Skills

- Software Skills: PHA Pro, ExSILentia, MATLAB (Basic), Simulation and MS Office.
- Knowledge regarding SHELL DEP, GPSA, API Standards, NFPA, ADNOC CPs and COPs.
- Interests: Watching movies. Reading newspaper and books. Attending events and sessions.
- Fluent in English (Speaking, reading and writing).
- Was an active member of musical and dramatic society (MADS) in University.
- Badminton player.

