



## SHAFQAT ABBAS

Mechanical Engineer



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03 March 1998

## Career Summary

I have worked as a **Machinery Maintenance** and **Reliability MTR** in **Fauji Fertilizers Company Pakistan**, **Brunei Oil and Gas Qatar** and **Qatar Engineering and Construction Company Qatar**. I have 5 Years of experience in carrying out **Condition Monitoring**, **Preventive**, **Predictive** and **Breakdown Maintenance**, **Major Overhauls** and **Root Cause Analysis** of Recurring and Novel upsets to Prevent Machinery failure and Breakdown.

My portfolio included High Value **Nuovo Pignone (NP)** and **Delaval Turbo-Compressor** Trains; NP MCL and BCL Centrifugal Multistage Compressors; General and Special Purpose **NP, Terry, Worthington & KKK** Steam Turbines; **Worthington, Burkhardt, NP Reciprocating** and other Positive Displacement Compressors; **Sundyne, Gusti, GE, Amarillo** Gear Reducer Drives; **Boldrochi & Westinghouse** High flow Forced Draft and Induced Draft Fan Drives; High RPM **Sundyne** Centrifugal Pumps and Reciprocating and other general Positive Displacement and Centrifugal Machinery.

I have taken a part in **Planning, Scheduling, Execution, Monitoring** and **Closing** of 3 Turnarounds and 2 Shutdowns at FFC-I, FFC-II and QAPCO Qatar.

My current goal is to **Create Synergy** between my **Theoretical, Condition Monitoring & Field Maintenance Knowledge** and **Experience** to improve Machine Reliability and Performance with minimum downtime.

## Qualification

2020 – 2024

**BSc Mechanical Engineering** – University of Engineering and Technology, Lahore (CGPA 3.18/4)

2012–2015

**DAE Mechanical Technology** – Govt College of Technology Bahawalpur (87%)

2010 – 2012

**Matric Science** – Govt Sadiq Dane Model H/S Bahawalpur (80%)



## Job Title/Assignment

July 2017 – July 2019

**MACHINERY MAINTENANCE TEHNICAN** (Apprenticeship)– FAUJI Fertilizers Company Limited



Responsible for: -

- **Condition Monitoring, Reliability Assurance & Maintenance** of high value **Gas compressors, Steam Turbines**, Positive Displacement & Centrifugal **Pumps** and other rotating machinery as **Gear boxes, centrifuges** and **fans**.
- Taken a part in **Preparation** and **Implementation** of **Preventive, Predictive, Emergency** and **Turn-Around** maintenance plans.
- Implementation and Monitoring of Health, Safety, Environment & Quality Policies, Job Safety Analysis of Major Projects.
- Taken a part in different trainings on emergency response for quick action in case of any emergency occur at plantsite.

February 2020 – March 2020 and Sep 2021– Nov 2021

## **MACHINERY MAINTENANCE TEHNICAN – Brunel Oil and Gas Qatar (QAPCO plant Shutdowns)**



Responsible for: -

- Major overhauling of Reciprocating **Compressor** made by Burkhardt Compression.
- Taken a part in **Preparation of tools** and **Implementation** of High Standard Safety.
- Bearing Replacement and Gears Inspection of Extruder **Gear Box** Made by Berstrof.
- Major Overhauling of Pelitizer and extruder screw removal.

January 2024 – February 2024

## **MACHINERY MAINTENANCE TEHNICAN – Qatar Engineering and Construction Company**



Responsible for: -

(QAPCO plant Shutdown)

- Major overhauling of **Centrifugal Pump** made by Sulzer company.
- Attended Safety trainings by QCON and QAPCO management to Implement zero tolerance safety policy at QAPCO plantsite and Familiarization with 12 Safety Golden Roles of Qapco.

August 2015 – July 2017

## **Assistant Mechanical Supervisor – GRC pvt Limited Pakistan (Kacchi Canal Project)**



Responsible for:

- Responsible for ensuring availability of essential workforce through **Training, Performance Assessment** and **Skilled-Workforce Management**.
- Ensuring accessible Record & Report keeping to ensure a system dependent approach to work.
- Preparation and Implementation of budgeting strategies thru budget monitoring and future planning.
- Maintenance, Monitoring and planning of different rotary equipments as Diesel engines, heavy machinery hydraulic components
- Managed work and peoples under supervision.

## **Major Projects**

At University during Degree

### **Development of an automatic Quality Control System for various issues in plastic and paint industry**

As the time is most precious thing in this world. In order to save time AI (artificial intelligence) and Machine learning has played an important role in this way. I used machine learning to develop this project and used different softwares as Arduino UNO and MATLAB. The main objective of this project to Reduce man work and increase productivity. This system is helpful to segregate parts particularly on the basis of same colors variation and size, it could be adopted by any industry. Through this project I want to replace manual processes with automation with focus on more control of process parameters. Implementation of artificial intelligence/machine learning to control process parameters and detect problems at early stages of the process would help to improve quality, reduce wastage & time. Improvements in such areas would help our Industries to be competent in the global market.

## **Professional Trainings**

- Fire fighting
- CPR
- Training on emergency response
- Training on LOTO strategies Program.

## **Software Skills**

- MS Office and Word
- Solid Works
- Comsol
- MS Powerpoint
- MATLAB
- HAP

## Other Professional Skills

- Team Management
- Problem solving and critical thinking
- Alignment Techniques specially grip on Rim and face method.
- Adept at operating measuring tools (Micrometers, Vernier caliper, Bore gauge & Dial indicator) and all other tools used in machinery maintenance.
- Familiarity with pneumatics and power tools usage Rigging Techniques.
- Grip on taking readings and clearances between different components. Supervision of Scaffolding Jobs.
- Maintenance of Air handling units. Measurements of O rings.
- Bearing installation.
- DGS made by john cranes Inspection

## Languages

- Urdu with full Proficiency
- English with Limited Proficiency

## Hobbies

- Cricket
- Walk
- Book Readings
- Walk