



# MUHAMMAD REHAN YAQUB

*Mechanical Supervisor*

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## SUMMARY

- Having a professional experience of more than **14 years** as a **Senior Mechanical Technician** in fertilizer sector and 2 years as an **Apprentice Technician** in Fatima Fertilizer company. Currently working as a Mechanical Supervisor in Qatar Energy LNG.
- Proficient in Maintenance of Centrifugal & PD compressor, Dry gas seal, Centrifugal pumps, Steam Turbines, Gas Turbine(CCI), Gear boxes, Cooling tower, Fans, blowers, Agitators, Decanter Centrifuge, Bucket elevator, Belts and Screw Conveyors, Heat Exchangers, Tanks, Pressure vessels and valves.
- Hand on experience in installing and commissioning of various equipment's.
- Having good control in start-up and shutdown activities. Also having sound knowledge of HSE management and permit to work system. Routine usage of ORACLE and SAP ERP system.

## PROFESSIONAL EXPERIENCE (14 years)

### QATAR ENERGY LNG (August 2024 to till date):

- Currently working as Mechanical Maintenance Supervisor at Qatar Energy LNG, involved in maintenance activities of both rotating and static equipment's (Pumps, Blowers, Compressor, Heat exchanger, vessels, tanks, valves, loading Aram, gangway and mooring hooks)

### FATIMA FERTILIZERCOMPANY (July 2011 to August 2024):

- I have worked as rotating equipment Technician at Country's biggest fertilizer complex, involved in maintenance activities of ammonia, Nitric Acid, Nitrophos and Urea plant rotating machines. Also did Overhauling of Gas turbines, steam turbines, Centrifugal pumps, Centrifugal & PD compressors, Dry gas seal, Gearboxes, Cooling tower, Fans, blowers, Agitators, Decanter Centrifuge, Bucket elevator, Belts and Screw Conveyors.
- Preparation of job plans and spare parts listing and inspection of new parts was also the part of my job responsibilities.
- Proficient in Maintenance of Heat Exchangers, Tanks, Pressure vessels and valves. Performed hydro test and condition monitoring of static equipment's.

### ACHIVEMENTS:

- I was a key member of the Critical Asset Maintenance Team (CAMT) in Fatima fertilizer company, providing expertise to diverse industries during shutdowns. Through official visits to prominent organizations, including Pak Arab Fertilizer, Fatima Fert, Engro Fertilizer, and Mari Gas Company, I successfully completed overhaul assignments for critical equipment, such as compressors, steam turbines, gas turbines, pumps, and gearboxes, demonstrating my technical proficiency and industry expertise.

### KEY RESPONSIBILITIES:

- Monitor and follow-up on the activities in the designated area of responsibility to ensure compliance with the company's requirements, contract specifications and conditions. Report on work progress and evaluate the performance.  
Perform preventive and corrective maintenance tasks in the designated area as per schedule and report results to the supervisor.  
Ensure maintenance and repair activities are carried out in accordance with the work instructions and procedure. Fill out maintenance checklist and ensure that all work permits are properly filled out and addressed.  
Working on cast control spares through develops drawings make local spares as possible check with materials compatibility.

### SAFETY TRAININGS:

- Well experience in firefighting equipment operation, safety from hazards gases, safely chemical handling, and knowledge about all types of work permits procedures, Emergency response plan, Process safety management (PSM), Environment management system (EMS), 5S, Job risk analysis & tool box meeting, Electrical safety and Personal survival techniques.

## **PROFESSIONAL EXPERTIES**

### **STEAM TURBINE:**

- Several times Overhauling & maintenance of single & multi stages Steam Turbine. (GE, Man turbo, Siemens, Copus) (DK 063/130 RZ1, SST-300CE2L/V32DB).

### **CENTRIFUGAL & P.D COMPRESSOR:**

- Preventive maintenance & overhauling of BCL and MCL Centrifugal compressor. (Man Turbo, Hitachi, NP) (RH 080/03, MCH607).
- Preventive maintenance & overhauling of Screw compressors. (Atlas Copco and Howden).
- Complete overhauling of reciprocating Compressor. (Ajax Cameron).

### **DRY GAS AND MECHANICAL SEAL:**

- Complete overhauling & replacement of dry gas and mechanical seal (John crane & Flowserve).

### **CENTRIFUGAL PUMPS:**

- Centrifugal pumps preventive maintenance & complete overhauling of single stage and multi stage pumps. (Sulzer, Ebara, Warman, Nash vacuum pump, and Bungartz).
- Replacement of Pump, Mechanical seal and gland packing.

### **ALIGNMENT:**

- Strong experience in performing alignment tasks, such as rim and face alignment, laser alignment and reverse alignment.

### **COOLING TOWER:**

- Complete maintenance of cooling tower, gear box overhauling, blade angle adjustment and alignment.

### **GAS TURBINE GE MS 5001:**

- Maintenance of gas turbine and Alignment.
- Combustion chamber inspection.

### **DECANTER CENTRIFUGE:**

- Preventive maintenance and complete overhauling of Decanter centrifuge (IHI-HS-556L).

### **SINGLE POINT MOORING (SPM):**

- Preventive maintenance and complete overhauling of SPM offshore.

### **CONDITION MONITORING OF MACHINES:**

- Stroboscope, Stethoscope SKF.
- Vibration Pen, Tachometer & Laser gun.

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## **PROFESSIONAL QUALIFICATION**

### **B-TECH (Pass) MECHANICAL:**

- Newports institute of communication and economics  
Karachi, Pakistan.

### **D.A.E. (Mechanical Technology):**

- Pak Swiss training center Karachi, Pakistan.

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## **CORE STRENGTHS & ENABLING SKILLS**

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|---|-------------------------------------|----------------------------------|
| ■ Adaptability & Teamwork                           | ■ Planning & organizing Skills      | ■ Excellent Communication Skills |
| ■ Innovative & Self Motivated                       | ■ Result Orientated & Multi-Tasking | ■ Decision Making Ability        |
| ■ MS Excel  | ■ MS Word                           | ■ Routine base usage of ORACLE   |
| ■ Personal survival techniques<br>(PST Certificate) |                                     |                                  |

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