# Tahir Dawood Anwar

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# PERSONAL PROFILE:

A safety-focused Mechanical Maintenance Engineer with substantial knowledge in mechanical systems gained from the Energy, Power, and Oil & Gas sector. Areas of expertise include the handling of mechanical maintenance activities on turbines, engines, compressors, fans, pumps, and valves. Experienced in shutdown and intervention planning, fault diagnosis, health and safety legislation, management of contractors, and familiarity with the use of CMMS. Mentors and trains junior Engineers, identifying technical skill gaps and sharing expertise to ensure compliance and best practice. Currently seeking a Mechanical Engineering role.

# WORK HISTORY:

## 2016-Present |Senior Engineer|730MW Thermal Power Plant | AES LalPir & PakGen Power Plant, Pakistan.

* Manage 450+ work orders on critical equipment with up to 50 workers that digit decreased to 12% last year.
* Achieve 70/30 preventive to Corrective maintenance ratio target that was lower than 7% last year.
* Record vibration with an EMERSON CSI-2140 and analyze it with an AMS machinery management system.
* Prepare USD 6 Million budget and reduce it by 5% in the last tenure by rationalizing inventory and target maintenance.
* Familiar with Oracle base CMMS (Computerized Maintenance Management System) and LOTO (Lock Out Tag Out) system.
* Proficient in MS Office applications in day-to-day activities for reporting, budgeting, and scheduling maintenance.

## 2013-2016 | Junior Executive|240MMCFD, Kandh Kot Gas Field | PPL, Pakistan Petroleum Limited, Pakistan.

* Supervise the maintenance of the utility area, dehydration plant, wellhead maintenance, and pig cleaning activity.
* Gained experience in gas turbines, pitot tube pumps & mud pumps, Christmas tree valves, etc., and log history in SAP.
* Reduce equipment downtime by 25% on critical jobs and implemented 5S in the mechanical toolroom.
* Well aware of the safety standard for working in hydrocarbon and H2S environments.

## 2002-2013|Sub Engineer|138.6MW, Thermal Power Plant | KANUPP Karachi Nuclear Power Plant, Pakistan.

* Hands-on experience in preventive & corrective maintenance on conventional and radioactive zone equipment like steam turbines, boiler feed water pumps, seawater systems, reactor cooling water systems, D2O (heavy water) upgrading systems, Moderator systems, Nuclear Fuel Handling, Multi-effect desalination plant.
* Practicing time, distance, and radiation dose management during job execution and disposal of radioactive waste as per IAEA (International Atomic Energy Agency guidelines.

# KEY SKILLS:

## 2019-2019|ISO Category-II Vibration Analyst CAT II Course

Mobius Institute Vibration Analysis Training and Certification per ISO 18436

## 2019-2019|Boiler Feed Pump O&M and Troubleshooting for Power Plant

Reliable Plant Perfect Solution, LalPir in house

## 2016-2016|Shaft Alignment Fundamental and Rim & Face

IHRDC 535 Boylston St, Boston, MA 02116, USA

## 2012-2012|C-Class Boiler Engineer

Boiler and Pressure Vessels Examining Engineer Board Punjab Lahore, Pakistan

# EDUCATION:

## 2021| Incorporated Engineering

Institution of Mechanical Engineers UK, IMechE # 80380077, UK Engineering Council # 681771

## 2012|Bachelor in Mechanical Engineering Technology

Newport University Karachi, National Technology Council Pakistan # NTC-8028

## 2008|Bachelor in Computer Science

Virtual University, Lahore, Pakistan

## 2000|Diploma of Associate Engineer in Mechanical

Board of Technical Education, Lahore, Pakistan