

# MUHAMMAD MUZAMMIL EJAZ

🏠 Fl # 401 Nadeem Blessing Block-1 Jouhar, Karachi

📞 Mobile: +923142065127

✉ Email: [Muzammil.ejaz@gmail.com](mailto:Muzammil.ejaz@gmail.com)

🌐 <https://pk.linkedin.com/in/muzammilejaz>



## OBJECTIVE

\*To join a company having professional team of diligent personnel for a rapid career advancement & growth with a desire to serve at the best, according to my education and practical knowledge.

## CORE

\*Project Management, Technical Utilities Management, Maintenance (CBM, TPM)

## COMPETENCIES

SAP (PM & PS Module) & QHSE (IRCA Certified EMS ISO-14001:2004 Lead Auditor),

## EDUCATION

**MASTER OF SCIENCE (M.S) THERMAL POWER/ FLUID ENERGY**  
**National University of Science and Technology (NUST PNEC)**

Post-Graduation Year: 2016,

Thesis: CFD Analysis of Micro-resistojet thrusters



**BACHELOR OF ENGINEERING – B.E. MECHANICAL ENGINEERING**  
**NED University of Engineering & Technology, Karachi – Pakistan.**

Graduation Year: 2012 in First Division

Final Year Project: Design and Fabrication of 5 KW Microturbine



**INTERMEDIATE – H.S.C. (Pre-Engineering Group)**

**DJ Sindh Govt. Science College – Board of Intermediate Education, Karachi-Pakistan.**

Passing Year: 2008 in A- grade (79%)

## WORK

## EXPREIENCE

**Lecturer Mechanical Engineering Dept. (October16 -Present)**

**NED University of Engineering & Technology, Karachi – Pakistan.**



**TECHNICAL UTILITY EXECUTIVE (April-15 – Oct-16)**

**EBM (English Biscuits Manufacturers Pvt. ltd) – Pakistan**



➤ Work as Team Leader to execute 24 hour Operations and Overall Mechanical Maintenance with Implementation of CBM, TPM, 5S and kaizen approach in the Technical Utility Facility that includes

- |  |                       |
|--|-----------------------|
| ✓ 3x JGS-320 Jenbacher Engine              | ✓ CAT 3512 Genset     |
| ✓ 1130 USRT Chillers (Absorption & Screw ) | ✓ 150 TR Package Unit |
| ✓ 1000 CFM Boge Screw Compressor           | ✓ 250 TR Split Units  |

## PROJECTS UNDERTAKEN:

- 44 MMBtu LPG/SNG Plant with 1.5 MW Electrical Power generation for NG Load shedding
- Feasibility report on waste heat recovery from 2.1 MW Gas generators exhaust and Jacket water.

**UTILITY ENGINEER (Feb-13 – April-15)**  
**GENERAL TYRE AND RUBBER COMPANY OF PAKISTAN LIMITED**



- Lead Operation & Maintenance of Utility Plant includes
  - ✓ Caterpillar 3512,
  - ✓ 40TPH 18barg Steam Boiler
  - ✓ 22m<sup>3</sup>/hr G.E Pro Series RO plant
  - ✓ Cummins KTA 50 GS8, Skoda 734KVA
  - ✓ 72MMBtuLPG /SNG Plant
  - ✓ 1400X6 CFM Rotary &Screw Compressor

**JOB DESCRIPTION:**

- Plan, monitor and execute maintenance activities in accordance/compliance to predictive/preventive maintenance
- Monitor/check lubrication, water & chemical treatment activities and make modification as per requirement.
- Implementation of EMS ISO-14001 (IRCA U.K Certified Lead Auditor) & OHSAS ISO-18001 in Utility Dept.
- Maintain energy management system, identify, inspect and troubleshoots faulty equipment & devices.
- Prepare and update equipment inventory, preparation and review Utility Budget.
- Assist Vendors, Utility supervisors and operation/ maintenance crew.
- Create layouts, schematic & CAD drawings as per new installation or modifications.

**PROJECTS UNDERTAKEN:**

- Selection, Installation & commissioning of Caterpillar CAT 3512 Genset (Allied Engineering & Services Ltd.)
- Commissioning of 72 MMBtu LPG/SNG plant (Target Engineering Ltd)  
Installation & Commissioning of 1000USGPM pumping room for Fire & Fighting System.(KSB Pakistan Ltd)
- Installation & Commissioning of 25m<sup>3</sup>/hr G.E Pro Series RO Plant (Orient Energy Ltd)
- Installation & Commissioning of 200KW Rotary Air Compressor (Certified training from RASTAGAR Co. Ltd)

**INDUSTRIAL  
INTERNSHIPS**

**FYP PROJECT LEADER 5KWMICROTURBINE (Jan – Nov 2012)**  
**ASSOCIATED ELECTRICAL & ENGINEERING CORPORATION (AEEC)**



- Design & developed CAD model of centrifugal compressor and radial turbine using Cfturbo9 (GMBH)
- Design and flow analysis of Combustion Chamber using SolidWorks2011.
- Fabrication of turbine engine using turbocharger.

**INTERNEE (PRODUCTION DEPARTMENT) Dec 2010 – Jan 2011**



**PAK SUZUKI CO. LTD, KARACHI, PAKISTAN**

- Complete Study of welding shop including shop layout, welding line process, welding machine and defect
- Gather Offline data information and make statistical analysis to determine root cause for defects.
- Suggest countermeasures & improved methods in process line to minimize losses due to excess repair work

## MEMBERSHIPS/ ACCREDITATIONS



Member, **American Society of Mechanical Engineers** (2010-2015)



Member, **American Society for Testing and Materials** (2012-2015)



Member, **American Society of Heating, Ref and Air Conditioning Engineers**



IRCA Certified, **Lead Auditor Environmental management System ISO-14001:2004 (Bureau Veritas S.A)**

## SEMINAR/ TRAININGS

- Technical Seminar on Pump Selection by ASHRAE & Pakistan HVACR Society.
- Technical Seminar on Design Build for Green Buildings & Enterprise Sustainability by ASHRAE & Pakistan HVACR Society.
- Seminar on Quantitative Tools in Project Management held at Dubai Aug-2015
- Conference on Resource Efficiency (Chemical Management, Productivity Enhancement/ Material Efficiency & Good Housekeeping) By International Division of bfz gmbh, Germany
- Workshop on Ultrasonic flow Meter & Industrial Water Treatment by CHEMCO.
- International Conference on Energy and Sustainability (CES-2013) held at (NED UET).
- Fire Fighting and Evacuation drill course by Civil Defense Department, Govt. of Sindh
- Workshop on Lean Production through Kaizen 5's By ASME NED UET March 2012
- Workshop on Installation Commissioning & Startup of Air Compressor by RASTGAR & Co. Feb 2011

## EXTRACURRICULAR ACTIVITIES:

- Secure 1<sup>st</sup> position in 400m Relay Race 2005-06 at Chiniot Islamia School.
- Secure 2<sup>nd</sup> position in 200m Relay Race 2005-06 at Chiniot Islamia School.
- Winner, 1<sup>st</sup> Prize in Science & Computer exhibition in talking 3D Pictures using 3D max and html encoding at Chiniot Islamia School 2004.
- 2 Day Symposium on Neuro Linguistic Programming & Visionary Counseling by SME & INVENTUS 2011
- Participant, Interdepartmental Games NEDUET from Mechanical Dept. Football Team 2010
- Participant, NERC (National Engineering and Robotics Contest 2010 & 2011).
- Provide private consultancy on EMS ISO-14001:2004 & freelancing work in 2d & 3d Mechanical CAD drawings.

## COMPUTER

\*Microsoft Office, Microsoft Project, Outlook, AutoCAD-13, Fluent 15.0 , NX 8.0, Solid Works-14, SAP PM & PS Module

## LANGUAGES

\*Urdu – Native Language and English proficiency.

## HOBBIES & INTERESTS

\*Reading Quraan, Energy magazines, swimming, socializing, indoor games, travelling, and sports.

## REFERENCES

### Dr. Nauman

General Manager  
Space and Upper Atmosphere  
Research Commission (**SUPARCO**)  
Contact: +92 322 2442586  
Email: [mnaumanqureshi@gmail.com](mailto:mnaumanqureshi@gmail.com)

### Siddiq Sheikh

Sr. Manager Utilities  
General Tyre & Rubber Co. Ltd  
Contact : +92 345 8246401  
Email: [siddiq@gentipak.com](mailto:siddiq@gentipak.com)