

PROFILE SUMMARY



I bring along over 25 years of experience and demonstrated expertise in the area of mechanical, electrical, and plumbing engineering. Over these years of diverse experience, I worked with renowned institutions at national and international levels. At the national level, I mainly worked in Pakistan at various responsible positions with the renowned Aga Khan University Hospital in Karachi, Serena Hotel Gilgit-Baltistan, Pearl continental hotels Lahore, Rawalpindi, and with the Millennium Hotel and Marquee in Islamabad-Pakistan. My international experience comes from my affiliation with the French Medical Institute in Kabul, Afghanistan, Aga Khan foundation Kabul Afghanistan and with UBUMWE Grande Hotel in Kigali, Rwanda- East Africa. I'm multi-skilled in all aspects of maintenance: Electrical,

mechanical, plumbing, woodwork, sewer, and HVAC systems facilities general and large infrastructure Buildings/Hotels, etc. Well, experience with installation, performance maintenance, troubleshooting, and support, as well as end-user utilization.

I am looking forward to a position where I can utilize my management/engineering skills and experience as a Chief Engineer/Engineering Manager/Project Manager in the fields of MEP, and HVAC. I am confident that my work experience, willingness to learn, and assertiveness in the engineering field would be beneficial to an organization that can offer me the opportunity to prove myself.

My major achievements over these years of diverse experience include:

- Installation, testing, and commission new Oxygen Generators for French Medical institute for mothers and children in Kabul, Afghanistan
- Installation testing and commissioning of 50kg solid waste APPIC diesel fire incinerator
- Installation, testing, and commissioning of 700 KVA -AVR servo type for French Medical institute for mother and children in Kabul, Afghanistan
- Preparation of MEP and HVAC System for the new opening one 120 bedded provincial and three 25 bedded district hospitals have been done in Badakhshan, Afghanistan
- Preparation of MEP and HVAC system for the new opening 105 Guest room hotel have been done in Islamabad Pakistan
- Installation, testing, and commissioning of 4 MW Each 1 MW Diesel Generators with heat recovery system in Pearl Continental Hotel Lahore, Pakistan

AREAS OF EXPERTISE:

- | | | |
|---|---|---|
| ▪ MEP, HVAC Operation, Maintenance, and Management | ▪ Medical Gases Operation, Maintenance, and management | ▪ Steam Boilers Operation, Maintenance, and Management |
| ▪ Power Generation Operation, maintenance, and Management | ▪ Installation of MEP, HVAC in new settings | ▪ Steam Boiler installations in new settings |
| ▪ Mechanical Infrastructure Setup for New Settings | ▪ Mechanical, Electrical, Plumbing Setup for New Settings | ▪ Supervision of Mechanical, Electrical Infrastructure Setups |

PROFESSIONAL EXPERIENCE INTERNATIONAL LEVEL [AFGHANISTAN, AND AFRICA]

SAFIRICODE –CONSTRUCTION COMPANY-CENTRAL AFRICA

Nov-2020 – to date

Designation –MEP Manager-Novotel Hotels with Accor Standards Under Construction.

- Responsible for a successful plan, managing, executing, complete and handover multiple MEP projects related to energy efficiency, energy performance contracts, and retrofits for large hotel projects, high-rise towers, and other commercial facilities.

- The key responsibilities include ensuring timely completion of project within approved budgets on cost, resources without compromising on Quality & Safety using internal staff, as well as subcontractors and sub-consultants.
- Prepare technical site visit and progress update reports.
- Coordination and overseeing subcontractor project execution.
- Prepare project implementation schedules.
- Communicate project, subcontractor, and package updates to the engineering team and management Plan and oversee startup, testing, and commissioning functions
- Review subcontractor BOQs and invoices for accuracy and completion
- Create project commissioning plans and system-specific templates and tests for subcontractor testing
- Create project organization charts and contact lists
- Coordinate with clients on project documentation, health and safety requirements, and subcontractor compliance
- Perform risk assessment and lock-out, tag-out requirements
- Review submitted consultant and contractor proposals and submissions
- Provide constant communication and project progress reports to clients and the management team.
- Oversee various project consultants, contractors, and internal staff during design, specification, bid, installation, and management phases.
- Make site visits to verify and confirm project equipment performance and operation.
- To communicate, train and maintain new and existing energy equipment in the project.
- Identify the latest technology, tools, processes, and practices to help teams and clients deliver more efficiently.
- Attending regular meetings (on work progress, coordination, design, etc.) with Main Contractor and Consultant to discuss key issues related to the project and take effective corrective actions.
- Ensure all technical aspects of the projects are strictly complied with and in conformity with Conditions of Contract, Particular Specifications, General Specifications, Contract Drawings & BOQ.
- Ensure that the health and safety requirements are provided and that they comply with authorities' regulations.
- Prepare plans and schedules, status reports, and performance evaluations.
- Provide program planning capabilities including interfaces and risks analysis.
- Establish and monitor program and project controls KPI's.
- Ensure program policies and procedures are implemented accordingly.

Ubumwe Grande Hotel Kigali, Rwanda – East Africa

Feb 2020 – Nov-2020

Designation – Assistant Chief Maintenance Manager

- Overseeing hotel infrastructure to ensure functionality and safety.
- Managing maintenance team's technicians.
- Organizing repair, installation, and renovation projects
- Trouble shootings and rectification of the MEP and HVAC System.
- Conduct inspections of facilities, equipment, and engineering services and take prompt action in case of malfunctioning
- Evaluate operational parameters of critical equipment to take corrective action and keep all the required equipment calibrated and issue periodic reports to the end-user.
- Ensure that procedures and protocols related to the department are being followed to quality manual and monitor and support staff in their regular activities with a specific emphasis on their capacity building.
- Conducting various on job pieces of training for staff

French Medical Institute for Mother and Children (FMIC), Kabul-Afghanistan

April 2018 – May-2018

Designation - Manager, Facilities Management Division

- Overall was responsible for the management of mechanical, electrical, Plumbing, HVAC, and civil ground for the department human, financial, and material resources available at his or her disposal.
- Ensure that department staff training needs required to enhance their skills and knowledge for meeting the quality requirement are adequately provided in accordance with the department and institution policies.

- Ensure that the department quality system and equipment management plan as per the department policies is implemented and maintained through effective and efficient services to the users.
- Coordinate/ communicate with user/ purchase department/ vendor for prompt solution of equipment related issues/ problem on ongoing basis.
- Ensure that spares/consumables inventory of major and critical equipment is adequately maintained to optimize equipment utilization as per department standards.
- Identification of work to be performed. Quantification and preparation of detailed schedule with resources utilization. The schedule is to be monitored by Administrator FMD.
- Making of construction/ maintenance plan/ schedule and cost/estimation of the projects as per the request of the management.
- Any other tasks assigned by the Administrator FMD.

Aga Khan Foundation, Kabul-Afghanistan

August 2013 – February 2018

Designation - Mechanical, Electrical and Plumbing (MEP) Engineer/Manager

- Monitoring, quality control, and timely implementation of MEP & HVAC system in Provincial Hospital Projects as per standards mentioned in the contracts.
- Coordinate with the contractor team regarding the MEP & HVAC teamwork and inform the supervisor on regular basis.
- Comprehending engineering drawings and equipment manuals.
- Assist Regional and National Engineering Unit on design and estimation of MEP & HVAC system.
- Review the MEP, HVAC, and medical gases) design packages submitted by consultants for Provincial Hospital FZD/BDK Afghanistan.
- Review the selection of Electro-Mechanical equipment from an operational and maintenance point of view.
- Monitor installation of equipment and services for maintainability accessibility, easy operation, clashing of services, and advise changes through consultants where needed.
- Monitor contractor's jobs on-site to ensure execution is as per specifications/approved shop DWGs and required quality. Then to initiate site visit reports for wrong practices, poor workmanship, and safety issues through consultants and make sure for its corrective action.
- Witness the testing, commissioning procedures for new MEP equipment and services as per design specifications
- Coordination with contractor/sub-contractors/client and consultants for changes/modifications.
- Review and verify the as-built DWGs submitted by MEP contractors

French Medical Institute for Children (FMIC), Kabul - Afghanistan

August 2008 – July 2013

Designation - Mechanical, Electrical and Plumbing (MEP) Engineer

- Responsible for ensuring preventive and break-down maintenance management of all Mechanical, Electrical, Plumbing equipment (HVAC, Diesel Generators, Boilers, Autoclaves, Medical Waste Incinerator, Medical Gases Equipment, Oxygen Generators, Air Compressors & Vacuum pumps, etc.).
- Day-to-day execution of Facilities Management division operations and maintenance of all electrical, mechanical & civil, and groundworks.
- Conduct inspections of facilities, equipment, and engineering services and take prompt action in case of malfunctioning.
- Evaluate operational parameters of critical equipment to take corrective action and keep all the required equipment calibrated and issue periodic reports to the end-user.
- Ensure that procedures and protocols related to the department are being followed to quality manual and monitor and support national staff in their regular activities with a specific emphasis on their capacity building.
- Conducting various on job pieces of training for national staff.
- Assist the quality control head in obtaining the ISO 9001:2008 certifications and ensure that all the policies and procedures are in place according to the international organization structure.
- Working as a Quality Management Representative for the maintenance department.
- **Worked as acting head of Facilities Management Division (FMD) absence of Head of Facilities Management Division.**
- Preparation of maintenance schedule spares parts request and equipment history.
- Keep track of spares and consumables items.

PROFESSIONAL EXPERIENCE AT NATIONAL LEVEL [PAKISTAN]**Millennium Hotel and Marquee, Islamabad-Pakistan****April 2019 – November 2019****Designation – Assistant Chief Engineer**

- Responsible to manage all aspects of project and maintenance staff on a daily basis
- Direct, coordinate routine preventive and emergency interior / exterior maintenance and repairs to obtain optimum efficiency and economy of hotel operations
- Installation and maintenance of the architectural, mechanical, and electrical systems
- Perform routine maintenance to determine damages, repairs, and replacements
- Support in developing preventive maintenance and energy conservation programs
- Plan, coordinate, and execute renovation projects
- Assist in employee recruiting, training, performance evaluation, and termination and promotion activities
- Ensure that building structures and all mechanical and electrical systems are in good and safe conditions
- Ensure that the engineering team uses equipment safely and efficiently to avoid accidents
- Assist engineering staff to process customer requests promptly and accurately
- Recommend cost-effective solutions to maintain building structures and related systems
- Ensure that the work area is maintained clean, safe, and organized. Educate team on safety regulations, engineering policies and purchasing procedures, and other company standards
- Prioritize, plan and assign daily work duties to engineering staff
- Order and stock the maintenance supplies to avoid any shortages

Aga Khan University Hospital (AKUH), Karachi, Pakistan**August 2007 – August 2008****Designation - Service Coordination Engineer (MEP Operation and Maintenance Department)**

- Overall responsible for ensuring installation, operation, and management of all HVAC, Mechanical, plumbing equipment, and utility services to ensure reliable service to users through effective management of staff.
- Monitor critical parameters of all equipment like pumps, chillers, boilers, medical air plant, oxygen supply, etc., and take action if required.
- Monitor and manage the complex through Building Management System to keep all HVAC parameters under control.
- Visit the sites and evaluate operational parameters of critical equipment to take corrective actions.
- Practical application of CMMS, BMS.
- Coordination with self-power generation plant for smooth operation (Capacity 05 MW dual fuel).

Pakistan Oilfields Limited (POL), Khaur, Pakistan**Designation – Assistant Mechanical Engineer****March 2006 – August 2007**

- To assist in maintaining engines & compressors for their routine maintenance, running repairs, top and major overhauling.
- To assist in maintaining pumps such as Main oil pump stations, Tank farms, freshwater pump stations, Firewater pump stations, Boiler houses, etc.
- To assist in carrying out top and major overhauling of engines at all POL fields.
- To work ATA (Annual Turn Around) at Pariwali Production Facility, Khaur
- Coordinate with Production, Material Management, Administration, and Safety Department.

Pearl Continental Hotel, Rawalpindi-Pakistan**February 2002 – April 2006****Designation – Shift Engineer**

- Major responsibilities included operation and maintenance of equipment such as, Steam Boilers 200 HP, Water Cool Vapour Refrigeration and Direct Gas Fired Absorption Chillers, Cooling Tower, Air Handling Units, Fan Coil Units, Walking and cold room Plants units, Water Softening Plants, Steam Water Heaters (Clarifier), Diesel generator up to 1MW, Pumps, and air compressors, Plumbing Equipment, etc.

Pearl Continental Hotel, Rawalpindi-Pakistan**June 1996 – June 2001****Designation – Powerhouse Supervisor**

- Supervise the maintenance and operational activities of plant with exhaust and jacket water heat recovery system capacity of 4*1 MW Cummins engines (Model no. KT 50G3/G4) which is run on diesel oil.

- Trouble shootings and rectification of the engines.
- Monitor and record the clearance and tolerance during overhauling.
- Monitor the engine performance on a daily, weekly, and monthly basis.
- Preparation of maintenance schedule spares parts requests and equipment history.
- Keeping track of spares and consumables items.

Serena Hotel, Gilgit-Baltistan, Pakistan

June 1994 – April 1996

Designation – Senior Maintenance Supervisor/ In-charge Engineering Department

- Responsible for ensuring preventive and break-down maintenance management of all Mechanical, Electrical, Plumbing equipment (HVAC, Diesel Generators, Boilers, etc.).
- Day-to-day execution of Facilities Management division operations and maintenance of all electrical, mechanical, HVAC & civil, and groundworks.
- Conduct inspections of facilities, equipment, and engineering services and take prompt action in case of malfunctioning.
- Evaluate operational parameters of critical equipment to take corrective action and keep all the required equipment calibrated and issue periodic reports to the end-user.
- Ensure that procedures and protocols related to the department are being followed to quality manual and monitor and support staff in their regular activities with a specific emphasis on their capacity building.
- Conducting various on job pieces of training for staff.

EDUCATIONAL QUALIFICATION AND TECHNICAL CERTIFICATES

- **BACHELOR OF TECHNOLOGY (HONORS) IN MECHANICAL TECHNOLOGY:** Preston University, Karachi-Pakistan: 2013-2017
- **ASSOCIATE OF ENGINEERING IN MECHANICAL TECHNOLOGY:** NWFP Board of Technical Education, Peshawar: -1990-1993
- **CERTIFICATE OF COMPETENCY** as Boiler Engineer (Steam Boilers) from Chief Inspector of boilers, Pakistan: 2005
- **NATIONAL OCCUPATIONAL SKILL STANDARD ELECTRICAL GRADE G-III LEVEL CERTIFICATE** NWFP Board of Technical Education Peshawar, Pakistan: 1991-1992
- **OCCUPATIONAL SAFETY AND HEALTH MANAGER OSHA** certified from OSHAcademy Authorized training: 2016
- **SSC** Board of Secondary Education in Karachi, Pakistan: 1987-1989

Computer skills:

- BMS (building management system)
- CMMS (computerized maintenance management system)
- GRMS (Guest Room Management System)
- D7i & EAM system
- PeopleSoft
- Microsoft word, excel, PowerPoint
- Strategic Enterprises Resources Planning
- **MEMBERSHIP OF PROFESSIONAL BODIES:**
- MEMBER OF ENGINEERING INSTITUTE PAKISTAN (MEMBERSHIP NO. A4074/LHR1342)
- MEMBER OF HVACR SOCIETY PAKISTAN (Membership No.051-2-1753)
- MEMBERSHIP OF AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS. (ASHRAE)

WORKSHOPS, TRAINING, AND OTHER CERTIFICATIONS:

Course/ Certification	Year/ Duration	Institutions	City/Country
Theme: Supervisory skill Course	One -Week	PC Lahore	Lahore, Pakistan
Theme: Emergency Procedure and Firefighting	Two-week	PC Lahore & National Institute of Fire Technology	Lahore & Islamabad, Pakistan
Theme: Basic Mechanical Drawing	Four Months	Pak-German Technical Training Program	Peshawar, Pakistan
Operator training program certificate	Two-week	ONDEO NALCO	Islamabad,

Theme: Water treatment			Pakistan
Theme: Facilitator Tool training	Two-week	French Medical Institute for Mother and Children (FMIC).	Kabul, Afghanistan
Theme: Ultra-low temperature freezer Operation and Maintenance	2010	Chemical House Head Office	Lahore, Pakistan
Theme: Biosafety cabinet class II Operation and Maintenance	2010	Chemical House Head Office	Lahore, Pakistan
Theme: Quality Circle Workshop	2011	French Medical Institute for Mother and Children (FMIC).	Kabul, Afghanistan
Theme: The quality project team of quality improvement and patient safety convention	2011	French Medical Institute for Mother and Children (FMIC).	Kabul, Afghanistan
Certified Technician of Oxyplus Oxygen generators. Theme-Installation, commissioning, running, maintenance and operation.	2011	Servan	France
APICC Medical Waste Incinerator. Theme: Installation, commissioning, running, maintenance and operation	2013	French Medical Institute for Mother and Children (FMIC).	Kabul, Afghanistan
Air Techniques International training program. Theme: HEPA Filters Testing, calibration of equipment such as Model 2i photometer, Model 6D Generators, Model TDA-5B, and Model 5C Generator.	2014	Baltimore, Maryland	USA
Four days of Safety and security training. Theme: Secure approaches in Volatiles Environments	2016	Aga Khan Foundation Kabul	Kabul, Afghanistan
Theme: On International Standards, and best practices for HSE	2019	Pakistan	Karachi, Pakistan
National seminar on OHSE. Themes: HSE rules are your best tools	29, 30 .10.2019	Institute of Engineers Pakistan	Karachi, Pakistan
Theme; Participating in training personnel Effectiveness.	12 th Aug, 2019	Safricode SARL	Kinshasa, DR Congo
Theme; Participating in the training of MS Excel, Basic, Intermediate, and advance	17 th , 24 th 31 st Aug, and 7 th September 2021	Safricode SARL	Kinshasa, DR Congo

LANGUAGE

Language	Reading	Writing	Speaking
▪ English	Excellent	Good	Good
▪ Urdu	Excellent	Excellent	Excellent
▪ Dari	Good	Good	Good