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| **Bashir** ***MEP / HVAC Project Engineering Professional*****E-mail:** bashir.164912@2freemail.com  | Untitled |

**Profile Synopsis **

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Versatile, Dynamic and Gulf experience professional equipped with 13+ years of pioneering experience in engineering field encompassing Project Management, MEP Engineer, HVAC Engineer, Technical Presentation, Shop Drawings & Diagrams Designing, Installation-troubleshooting-commissioning and Reporting skills. Manifest broad experience in Mechanical Field including calculating the heat load with HAP calculates exhaust air & staircase pressurization system. Knowledgeable in the installation of absorber chiller plant, FAHU's with heat recovery wheel, AHU’s, air ducting system FCU with all piping and heat exchangers, ventilation fans & equipment etc. Played significant role in completing multi-million projects within set budget and time with track record of delivering quality results, meeting project objectives, resolving technical problems and utilizing resources efficiently; Possess broad experience in selection and installation of industrial and smaller pumps, drainage & water supply piping, GRP water tank, denim process machines, compressors, industrial fire tube boiler, waste heat recovery boiler and reverse osmosis system. Strategic team leader with excellent planning, analytical, problem-solving, decision-making, organization, coordination, monitoring, time management, communication & interpersonal skills; Aspiring to contribute & work in a more challenging work profile where knowledge and expertise will have a valuable impact.

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| **Strengths** |
| * Gained 13+ years experience within diversified industry
* Strategic planning, project execution & process control
* Project management-tendering & feasibility studies
* Inspection, Test Plan & Maintenance Operation skills
* Astute w/ Hourly Analysis/Carrier HAP & MS Project
 | * Expertise in Project Management, MEP & HVAC Eng.
* Prowess in shop drawings & diagrams designing
* Installation-troubleshooting-commissioning skills
* Quantity Survey/Estimation & BOQ preparation skills
* Goal driven – Dynamic – Vibrant Personality
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| **Educational Qualification** |

**Bachelor's Degree in Mechanical Engineer 2013**

*Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan*

**Degree in Maintenance, Operation of an Industrial Plant & Boiler Operation 2006**

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

**Completed Dubai Municipality Examination in (Electromechanical Equipment, Installation & Maintenance)**

*License No: 511426, Grade - G+ 12*

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| **Career Snapshot**  |

**Project Engineer –** *Adnan Contracting L.L.C, Dubai* **Apr 2015 – Present**

**Project Engineer –** *Birds Electromechanical Contracting Co L.L.C, Dubai* **Apr 2013 – Apr 2015**

**Maintenance & Project Engineer –** *Artistic Denim Mills Ltd. Pakistan* **Dec 2004 – Mar 2013**

**Assistant Maintenance Engineer –** *National Spinning Mills, Kotri Pakistan* **May 2003 – Nov 2004**

**Trainee Mechanical Engineer –** *Majeed Pumps Company MPS Pakistan* **Oct 2002 – Feb 2003**

*(Manufacturing of Industrial Pumps and Equipments)*

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| **Key Achievements**  |

* Gained 13+ years experience within a diversified industry in domains of Project Management, MEP Engineer, HVAC Engineer, Staff Supervision, Technical Presentation and Client Relations.
* Successfully completed Bachelors in Degree in Mechanical Engineering from one of the reputed University in Pakistan (Mehran University of Engineering and Technology, Jamshoro, Sindh) Pakistan.
* Played a significant role in executing Multi-million projects hence achieve business growth as well as increasing revenues, streamlining workflow and creating a teamwork environment to enhance productivity.
* Instrumental in designing Dyeing Machine and selection of all piping such as steam, water, air, and chemical as well as the installation of 200 Ton capacity of HVAC included piping, heat exchangers, and pumps.
* Technically astute with Hourly Analysis Program (Carrier HAP) and Microsoft Project as well as MS Package.
* Knowledgeable of ventilation and air conditioning systems and track record of delivering detailed designs to the highest international standards. Acquired knowledge related to MEP, HVAC, Construction, Fabrication, troubleshooting.
* Successfully completed training in (T-BOSIET) from Emirates Technical & Safety Development Centre through ADMA for offshore work.

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| **Areas of Expertise**  |

**MEP Project Engineer**

* Responsible for the management and delivery of all aspects of the works from receipt of client instruction through to completion and final projects which include HVAC systems, gas & water services, pipe work & controls interfaces. Typical projects include boiler plant room refurbishment, heating pipe work & emitter replacement, and domestic hot & cold water services upgrades.
* In-charge for overseeing all Mechanical and Electrical works. Ensure the MEP work carried out is as per approved shop drawing and within the time frame and progress of the approved construction program.
* Ensure that the installation, inspection, and testing of all the MEP equipment, fittings and work implemented meets the specification and the consultant requirements.
* Verify the accuracy of shop drawings and their compliance with the specification, consultant’s design, and existing local authority standard. Review consultant’s design and specification.
* Prepare (As-Built Drawings and O & M Manuals). Ensure minimum three quotations are obtained for every project.
* Initiate and prepare Engineering, Material submittal, Vendor approvals, RFI’s, ITP’s, Method Statement etc.,
* Prepare schedule of work, Bill of Material and float the inquiries for subcontract works, Materials, Systems as per the contract specifications and drawings.
* Develop highly complex engineering studies, plans, specifications, calculations, evaluations, design documents, and performance assessments as required.
* Coordinate and monitor all sub-contractors and work closely to ensure that the quality of the work is in full compliance with the contract specification, project quality plan and is completed in time.
* Prepare shop drawing & material submittals for consultant’s approval. Liaise with local authorities for the approval of MEP services drawings and service connection.
* Provide insight and technical contribution as needed to a wide range of systems engineering tasks, e.g. requirements management and test.
* Coordinate between government leadership, development teams, vendors, and system users to ensure system planning, design and implementation meet mission needs and resource constraints.
* Identify, track, and report project and system risks. Create and maintain systems engineering documentation related to the overall program.

**HVAC Project Engineer**

* Liaise with Project Manager for the approval of HVAC Shop Drawings, MEP Coordination Drawings, Work method statement and Project Specification from Project Engineer.
* Ensure the HVAC ducts, fittings, accessories and child water pipes, and accessories are available and approved by inspection department prior to installation.
* Ensure sufficient hand tools, power tools, ladder, and scaffolding is available for installation.
* Coordinate with other discipline and ensure site clearance is available to start the HVAC activities.
* Arrange the sufficient manpower such as supervisor, foreman, duct fitter, pipe fitter, assistant duct and pipe fitter etc. and ensure all of them attended safety orientation and having proper PPE’s prior start installation activities at the site.
* Ensure safe construction HVAC and Chilled water piping activities are carried out in accordance with the Company’s safety policies and procedures; safeguard the appropriate safety and protective equipment is used by Company and Contractor staff.
* Closely monitor site activities to ensure the quality of work is in compliance with approved shop drawing and specification and get the daily progress report from site supervisor (or) foreman and update to Project Manager.
* Prepare relevant documents to conduct the inspection for completed installation activities and raise RFI to QC-Inspector and ensure that any activity offered for inspection has an attachment of IFC drawing, method statement (if required), Inspection & Test Plan (ITP) followed by checklist).
* Carry out all planned site inspections as per the intervention points marked in the relevant drawing and standard.
* Prepare the relevant documents to conduct testing inspection such as duct light testing for ducts and Hydro test for above ground and underground chilled water piping’s, systems.
* Support the Commissioning Team on Testing, Adjusting & Balancing (TAB) stages of the Air and Hydronic Piping’s.
* Responsible for the preparation of final Test Reports, as-built drawings, Operation & Maintenance manual and handing over the project to client.

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| **Proven Job Role**  |

**Project Engineer – Adnan Contracting L.L.C, Dubai**

* Reviewed contractors submittals such as (Equipment’s Data Sheet, Inspection, Test Plan, Installation Operation and Maintenance Manual) related to the discipline and ensure to comply with concept design, contract requirements and submit to consultant and client for review and approval.
* Analyzed the thermal load calculation with HAP, fan static pressure & HVAC design to be provided to the consultant.
* Designed the full ducting system like duct sizes duct routing, grill diffusers sizes with software.
* Prepared MEP and firefighting shop drawings such as (Section and Schematic) respect to design requirements and contract requirements in coordination with other disciplines and submit as per the approved schedules to the consultant/client for review and approval.
* Assisted ware-house in checking the completeness of the received materials, identification of any damaged, short received materials etc.
* Coordinated with the client for MRIR (Materials Requisition & Inspection Report). Liaise with construction management team for readiness of the buildings for installation of MEP equipment and ducting.
* Communicated with Quality Assurance Engineer to ensure that any non-conformity has been reported through an NCR (Non-Conformance Report) by the client and clear immediately.
* Witnessed pre-construction and commissioning activities related to the discipline and ensure full compliance with project requirements. Provide day to day supervision of site works with the stress on quality and quantity of workmanship.
* Attended technical meetings with consultant/client/contractor and weekly progress meetings with the client.
* Reviewed spare parts operation & maintenance manuals of trades related to the discipline and ensure compliance with contract requirements.

**Project Engineer – Birds Electromechanical Contracting Co L.L.C, Dubai**

* Communicated with the consultant for MRIR (Materials Requisition & Inspection Report) Co-ordinates with construction management team for readiness of the buildings for installation of MEP equipment’s and ducting.
* Attended technical meetings with consultant/client/contractor and weekly progress meetings with the client.
* Coordinated with Quality Assurance Engineer to ensure that any non-conformity has been reported through an NCR (Non-Conformance Report) by the client and clear immediately.
* Witness pre-construction & commissioning activities related to the discipline and ensure full compliance with project requirements. Provide day to day supervision of site works with the stress on quality and quantity of workmanship.

**Maintenance & Project Engineer – Artistic Denim Mills Ltd. Pakistan**

* Effectively managed absorber chiller plant, reverse osmosis system, fire tube boiler, and waste heat recovery boiler, wastewater treatment plant, cooling tower, and air compressors operation & maintenance.
* Oversee installation and erection of new machines and plants such as indigo rope dyeing, over dye range machine, sizing machine, starter machine, and finishing range machine.
* Supervised installation of fire tube boiler and waste heat recovery boiler with complete steam piping.
* Responsible for installation, commissioning and maintenance of industrial type centrifugal pumps, high-pressure pumps, and screw type compressor. Coordinated with consultants and contractors for various activities.
* Act as the first line supervision including trouble shooting of machines, quantity take-off and initiation of purchase orders of spare parts with specification and code no.
* Administered day to day supervision of site works with the stress on quality and quantity of workmanship.
* Efficiently plan weekly preventive maintenance jobs and shutdown jobs. Perform inter-services coordination with all departments to execute the job. Manage the overall operation and maintenance of the workshop.
* Demonstrated technical skills during the Commissioning & normal operation period troubleshooting to solve the mechanical problems. Worked on pneumatic equipments such as 5 ways Solenoid Valve, Diaphragm Valve, and Actuating Cylinder.

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| **Significant Contribution and Achievements:** |

**Oversee the erection of Monforts Finishing, Over Dye Range Machine & Indigo Rope Dyeing Machine.**

* Worked for the following Erection with Foreign Engineer’s Delegation:
* Erection of sizing machine with engineers of (Benninger Ben Sizetec)
* Erection of stenter machine with Engineers of Alkan
* Erection of waste water treatment plant with engineer of (Joseph Egli Italia SRL)

**Work Abroad:**

* Worked in LEGLER Denim S.P.A Italy (Ottana) as Project Engineer by Artistic Denim Mills Ltd. Pakistan.

**Workshop:**

* Attended a seminar in Sri Lanka (Colombo 1) regarding waste water treatment plant.

**Assistant Maintenance Engineer – National Spinning Mills, Kotri Pakistan**

* Carried out installation & maintenance of industrial type centrifugal fans for ventilation of spinning area, drying area troubleshooting of machines & plant. Monitored performance & progress of works in relation to the agreed program.

Oversee the availability of the types and quantities of materials required for in case of emergency and maintenance.

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| **Executed Projects**  |

**On Going Projects:**

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| * **Project :** 2B+G+P+15+R Commercial & Residential Building Al Furjan (3 buildings)
* **Client's :** M/S Greiwati Properties Development LLC
* **Consultant :** Design Center Engineering Consultants
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| * **Project :** 2B+G+1+5Typical+R Hotel Building Al Barsha-1
* **Client's :** Mr. Adel Noori Jaber Ali
* **Consultant :** Next Engineering Consultant
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| * **Project :** 2B+G+4+Loft+R Residential Building JVC
* **Client's :** M/S Gulf Land & Property Developers
* **Consultant :** NAGA Architectural & Engineering Consultant
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**Handed Over Projects:**

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| * **Project :** B+G+4+R Residential Building JVC
* **Client's :** Mr. Anas Omer Mohd Al-Haj
* **Consultant :** Al Amji Engineering Consultants
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| * **Project :** B+G+9+HC+R Residential Building Dubai Silicon City
* **Client's :** Mr. Mohamed Ibrahim M Al Darwish
* **Consultant :** Mimar M.E Engineering Consultant
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| * **Project :** G+1+R Emirates Driving Institute Building Al Warsan-3
* **Client's :** M/S Emirates Transport
* **Consultant :** Associate Consulting Engineers
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| * **Project :** G+4+R Labour Accommodation Jebel Ali. (02 Buildings)
* **Client's :** Shikah Shuaa Abdulrehman
* **Consultant :** M. square Consulting Engineers
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| * **Project :** B+G+4+R Police Station Building Yas Island Abu Dhabi
* **Client's :** M/S Ministry of Interior
* **Consultant :** PAL Engineering Consultant
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| * **Project :** G+1+R Modular Buildings SARB Package-6. (06 Buildings)
* **Client's :** M/S Abu Dhabi Marine Operating Company
* **Consultant :** Dorsch Gruppe DC Abu Dhabi
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| * **Project :** B+G+4+R Oil Rig Platform Accommodation Building
* **Client's :** M/S Zakher Marine International
* **Consultant :** ABS Consulting Abu Dhabi
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| **Professional Development**  |

**Offshore Trainings:**

* Successfully completed training in (T-BOSIET) from Emirates Technical & Safety Development Centre through ADMA for offshore work including:
* Offshore Safety Induction
* Fire Fighting
* Survival First Aid
* Hypothermia and its Effects
* Helicopter Transportation & Methods of Escape
* Search & Rescue Procedures

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| **I.T Proficiency**  |

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* Knowledgeable with Hourly Analysis Program (Carrier HAP) and Microsoft Project.
* Proficient in MS Office application (Word, Excel, PowerPoint, Email application & Internet).

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| **Personal Details**  |

Nationality : Pakistan

Date of Birth : 01st Jan 1980

Marital Status : Married

Visa Status : Employment

Languages : English, Urdu & Hindi

Driving License : UAE Driving License

Reference : Available upon request