**MUHAMMAD ARIF NAZIRUDDIN**

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**MECHANICAL ENGINEER**

 **Operations Management • Maintenance • Technical Sales & Marketing • Engineering & Development • Planning & Design**

**Professional Synopsis:**

* **Enterprising, dedicated technical professional with a broad background of 15+ years** in managing diverse roles across industries and of various sizes
* A strategic thinker with an awareness of new technologies, changes in the marketplace, industry trends, and emerging market opportunities
* **Able to combine technical and marketing knowledge** / competencies to fulfill the company`s goals / objectives. Provided explicit technical support / advise in order to develop new products, analyze market trends, and design new sales and marketing techniques
* Adept in reviewing and improving **cost reduction, maintenance, documentation, and other programs**
* Provided expertise to direct and strategize mechanical engineering design and implementation
* Efficient in managing and monitoring project lifecycle, **as well as HVAC system design**, planning review, mechanical equipment specification development, and conceptual cost estimating
* Rendered efficient service in developing preventive and general **maintenance procedures**
* **Enterprising, Prudent, a Project Leader** - recognized as a hands-on, proactive individual who can formulate tactical plans, initiate change and implement effective strategies in challenging environments

**Ideal for leadership role at a Senior Management Level in c**hallenging environments of Engineering, Construction, Consultancy, Technical Sales & Marketing Industries, demanding high standards of quality & precision, specializing in the following:-

|  |  |  |
| --- | --- | --- |
| Project Management | Cost / Budgets Management | Site Management |
| Project Initiation / Design / MEP | Vendor Management | Process Improvement Initiation |
| HVAC Systems | Reverse Engineering | Health & Safety, HSE Management |
| Procurement, Technical Quotation | Material Management | Team-Builder / Leadership Qualities |

**ORGANIZATIONAL EXPERIENCE**

**MISSISSAUGA CANADA – ARIF CONSULTING SERVICES – OCTOBER 2009 - PRESENT**

**ETEC BHARAIN – ENGINEERING CONSULTANTS – SENIOR MECHNAICAL ENGINEER – APRIL 2008 – JUNE 2009**

**Project: Bahrain Riffa Views – Golf and country clubs, Golf Academy and Underground Parking**

**KEY ACCOMPLISHMENTS**

* Exhibited high efficiency in performing Design calculations for optimization and compliance of applicable standards and codes
* Efficiently prepared Design, Shop and MEP Coordination drawings of the project and also reviewed, checked the design and shop drawings
* Designed Water Supply and Drainage Systems, Water/Waste Water Treatment Plants, Grey-Water Recycling and Pumping Stations
* Resolved issues related to mechanical works by conducting daily/weekly status update meetings with contractors, suppliers and guarantee teams

**KEY JOB RESPONSIBILITIES**

* Assume full responsibility in negotiating contracts and equipment purchases
* Execute expertise in analyzing blueprints, design specifications, and manufacturers’ recommendations to determine the configuration of heating or cooling equipment components to ensure accurate application and installation of components
* Ensured efficient functioning of equipment in accordance with design and manufacturer’s specifications
* Monitored and maintained ideal preventative maintenance schedule on all mechanical systems
* Held full accountability in operating, maintaining, and repairing heating, ventilating, and air conditioning equipment essential for the building’s operations

**TRAGS – DOHA – QATAR – ENGINEERING CONTRACTING COMPANY – PROJECT MANAGER – 2006 - 2008**

**Project: J&A Jaidah 26 Storey Five Star Hotel – Western Hotel & Furnished Apartment Tower**

**KEY ACCOMPLISHMENTS**

* An expert in reviewing mechanical contracts, annual budgets, tender drawings, technical specifications in co-ordination with project team
* Successfully prepared mechanical shop drawings and equipment submittals as per pre-established guidelines for consultant approval
* Diligently inspected and authorized mechanical fabrication, installation, testing and commissioning in compliance with project specifications

**KEY JOB RESPONSIBILITIES**

* Apply profound knowledge of HVAC engineering design programs
* Assist and coordinate all phases of design including the review of conceptual designs during development and recommending alternative solutions whenever design details affect construction feasibility or schedules
* Advise on site use and improvements, selection of materials, building systems and equipment.
* Provide recommendations on relative construction feasibility, availability of materials and labour, time requirements for installation, construction and factors related to cost, including costs of alternative designs or materials, preliminary budgets and possible economies

**NEDUET – KARACHI – PAKISTAN – ENGINEERING UNIVERSITY – ASSOCIATE PROFESSOR – 2002 - 2006**

**KEY ACCOMPLISHMENTS**

* Served as a Mechanical Co-ordinator in Undergraduate Level Design Work
* Taught Dynamics to second year Engineering Undergraduate Students
* Taught Solid Mechanics to third year Engineering Undergraduate Students
* Taught Elements of Machine Dynamics & Design to second year Engineering Undergraduate Students
* Industrial Projects Liaison & Coordinator for BE Mechanical final year Design Engineering Projects
* Resource Person in the establishment of Automotive Department at NEDUET

**TECH INC. – LODI U.S.A – MANAGER – 2001 - 2002**

Key person to work on Recycle computers and textile machineries regarding logistics, export of recycle items to Pakistan

**HI-TECH SIDE WALK BRIDGING INC. JERSEY CITY U.S.A – MANAGER – 2000 – 2001**

**Project: Bridging work on High Rise Office Block, warehouses and apartments over 10+ storeys**

Involved in side walk bridging design & installation during High-Rise Building renovation and construction in New York City

**KEY ACCOMPLISHMENTS**

* Worked on design and execution of bridging works as per site condition during the renovation/construction of high rise office block and apartments over 10 storey

**ALSONS AUTO – PARTS LIMITED – KARACHI – R&D MANAGER – 1998 - 2000**

**Project: All automobile / motorcycle parts namely Honda, Suzuki, Yamaha**

{Project Scope: Speedometers, Plastic and Metal parts of Automobile & Motorcycle}

**KEY ACCOMPLISHMENTS**

* Implemented quality system procedure for reverse engineering work in automotive division
* Developed Reverse-engineering & engineering development design of speedometer & instrument panels in motorcycles and cars
* Provided maximum engineering support to all concerned department with close working relationship to improve quality standard
* Created and co-ordinated a research oriented environment for solving Alsons problems through engineering research oriented Universities namely NEDUET and NUST
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**KEY JOB RESPONSIBILITIES**

* **R&D Management** – Assures competitiveness and innovation of products and processes from a technological and design standpoint - Ensure and consolidate that the growth of the technical "know-how" within the group is shared and increased
* **Finance Handling** – Played a key role in coordinating with finance department for cost estimation of speedometer plastic and press parts (molds & dies)
* **Maintenance** – Design maintenance strategies for the preventive & regular maintenance of speedometer assembly line, equipment and machines in the department
* **Team Management** - Responsible for monitoring team of Engineers & Technicians in E&D department in follow up of projects (old & new)

**JAH WATER & WASTE WATER TREATMENT COMPANY – RIYADH – SALES & MARKETING MANAGER – 1996 - 1998**

**Project: Ghazalan Power Plant, Saudi Aramco Residential Compounds – Royal Palaces**

{Water & Waste Water Treatment Plants}

**KEY ACCOMPLISHMENTS**

* Established company standard profile in water & waste water treatment through pre-qualification and technical documents
* Established / approved new compact sewage treatment plant (reco-reactor & multi-reactor) with concerned authorities like ministries, consultants, contractors through technical seminars & organizing visits to STP installations

**KEY JOB RESPONSIBILITIES**

* **Team Management -** Responsible for monitoring team of sale engineers in bringing inquiries of STP & WTP (tender documents) from concerned authorities. Holding weekly meetings on follow up of projects
* **Project Management** – Key role in preparing technical & budgetary proposals based upon the inquiry & requirements of clients
* **Sales & Marketing Strategies -** Ensure the company plays a major role in emerging markets by assisting with market research and in-field support and Implement the strategic marketing plan that continually positions the company as the industry leader in its targeted niches

**INDUS ASSOCAITED ENGINEERING CONSULTANTS – KARACHI – MECHANICAL ENGINEER – 1993 - 1996**

**Project: Liquid Product Marine Terminal Oil Pier Number 5 and Jinnah Bridge Phase 2**

{Mechanical, Civil, Structural, Electrical and Surveying Works}

**KEY ACCOMPLISHMENTS**

* Planning, designing & overall progress monitoring of 350m long users piping trench & steel trestle to house over 80 pipes in 5 tiers for petroleum & non-petroleum products (at OP-V)
* Planning, designing, routing & detailing connections including pigging etc. for different users piping from OP-V shore manifold to users piping through OP-I, as well as to users terminal
* Successfully led the additional works of KPT’s project of Jinnah Bridge phase II e.g. drainage & other finishing items of bridge works
* Conducted future planning and designing of the common user’s rationalized system for pipes at OP-I with respect to the common user’s piping system at OP-V on upcoming KPT’s project of renovation & refurbishment of OP-I
* Liquid product marine terminal oil pier no. 5 (OP-V) and Jinnah bridge phase II were World Bank funded projects for Karachi port trust (KPT)
* Played a key role in the design of pipelines for oil jetty, refineries and Shell Pakistan Limited

**EASTERN FEDERAL UNION INSURANCE COMPANY – KARACHI – 1990 – 1991 – ASSITANT MANAGER**

**KEY ACCOMPLSIHMENTS**

* Conducted pre-insurance survey and diligently prepared engineering reports of machinery, refinery equipment`s, contractor`s equipment before recommending it to the concerned party for machinery breakdown or contractor all risk policy
* Key person to conduct review of submittals of technical documents in light of engineering pre-insurance survey report and then recommending for approval to senior managerial level

***Started career as Mechanical Engineer with Kaduna State Water Board Kaduna – Nigeria – 1987 - 1989***

**EDUCATIONAL EXPERIENCE**

* MS in Mechanical Engineering – 1993 – UMIST England UK
* BE in Mechanical Engineering – 1987 – ABU Zaria Nigeria
* Working toward PMP & Scrum Master designation

**PROFESSIONAL TRAININGS**

* Advanced Course in Project Management toward PMP & Scrum Master Designation, Can-Consult Canada 2015
* CPIM100 Basics of Supply Chain Management, APICS Canada 2010
* Supply Chain Awareness Training, Humber College Canada 2010
* Self Marketing for the Canadian Workplace, COSTI Canada 2009
* Primavera Project Planner, SDC, Pakistan 2008
* Instrumentation Control & Automation for Industry, UES, Pakistan 2002
* Automotive R&D Training, SES, Germany / Pakistan 1998, 1999 & 2000
* Human Resource Development, Alsons, Pakistan 1999

***Life Member, Pakistan Engineering Council, Pakistan***

**PERSONAL INFORMATION**

* Location Preference: USA, Canada, Dubai, Sharjah, Abu Dhabi, UAE, Bahrain, Saudi Arabia, Muscat & Pakistan.
* Interests & Hobbies: Travelling, Nature Walks and Current affairs
* My LinkedIn address: <https://ca.linkedin.com/in/arif-naziruddin-921a6814>
* Canadian Citizen