**OBJECTIVE:**

To secure a challenging position in Engineering, Construction, Quality, Testing&Commissioning, Maintenance & Repair, Building codes andProject Management in MEP, with an organization offering the opportunity to fully utilize my extensive education &26 years European and Gulf experience.

**SKILLS:**

MEP Coordination with Civil/Arch./Structural Engineering, QA/QC Management/HSEQ, Project Management, MEP Installation, Testing, Commissioning and Maintenance etc.

**Positions held:**

MEP Manager, MEP Construction Manager, QA/QC Manager, MEP Coordination Manager, Project Engineer, Mechanical Engineer

**EDUCATION:**

* Master of Science in Mechanical Engineering - **USA**
* BE: Mechanical Engineering - **Pakistan**
* Registered Professional Engineer by Society of Engineers (UAE), Pakistan Engineering Council and Saudi Council of Engineering.

**Seminars & Courses Attended:**

* ISO 9001:2008 Internal Auditor Course, Effective solutions using root cause analysis and QMS awareness by (**Canadian Standard Association**)
* SGS Seminar for ISO 9000: 2000 edition
* ISO 9000: 1994 training course by AIB – Vincotte – Dubai
* ASHRAE seminar for coefficient of heat transfer from building glasses in Dubai.
* “Risk assessment & Method Statement” by SAUDI EMCOR Co., W.L.L.
* Moments of magic workshop training by **American Leisure**
* Installation & Maintenance of power generation system and Co-generation generation system with **Lucky Gold star Int’l**.
* SKM training course attended on assembly line humidification & De-humidification seminar by **SPC U.K.**
* Attended Seminar for CE marking in Malta (Europe).
* Sedqa Health, Safety & Environment course in **Malta (Europe)**

**Computer Literacy:**

* Microsoft Office
* Heat load calculation
* HVAC Equipment Selection
* AutoCAD to read drawings
* SAP (SystemeAnwendungenProdukte)

**Summary of Experience:**

26 years sound experience in review of submittals, shop drawings, coordination drawings, installation,testing commissioning and Maintenance.

Coordinate maintenance work force efforts to make sure employer property like buildings, equipment’s and grounds are kept up. Identify areas for improvement and assign workers to take care of issues. Develop maintenance schedules and enforce them among maintenance staff. Respond to emergency calls for maintenance. Manage the set up and take down of different events. Perform troubleshooting to solve minor repair issues. Communicate plans for upper level improvements to maintenance worker staff. Contact and schedule repairmen and extra help as needed. Perform administrative tasks as required. Delegate tasks to meet maintenance schedule and satisfy employer needs

Review/preparation of MEP material submittals, shop drawings/coordination drawings and Installation, testing, commissioning of MEP SystemHVAC System including but not limited toChillers, Humidifiers, De-humidifiers and Cooling Towers, Exhaust AirSystem, Fume Hoods, Scrubbers, Vacuum&compressed air system. Electrical system including but not limited to Power Generation, Cogeneration system, Medium and low voltage distribution networks and equipment’s, Photovoltaic system (Power Generation),Substations, Power, Lighting, UPS, Central Battery, & Dimming system, Elevators and Escalators. Hydraulics &Plumbing Systemincluding but not limited to Potable and non-potable cold and hot water system, Fountains, swimming pools, RO water, and solar thermal Collector (water heating system), sewerage water, lifting stations etc. Firefighting system including fire pumps, sprinkler system, NOVEC and VESDA systemLaboratory Equipment’s and System includeMedical Gas system, LPG system, lab waste and vents, lab exhaust and fume hoods.Low Current System including but not limited to Fire Alarm, Public Address, Access Control, CCTV, BMS, Central Clock & IT system. Worked on Absorption system, Vapor Compression system, Water softening plants, Boilers, Gas fired Generators.Implementation of ISO 9001: 2008 edition

General ITP's, material inspection, site inspection. Material approvals, defect analysis, and diagnosis. NDT and Quality assurance works. Management activities, document control, product identification and traceability, control of non-conforming products, corrective/preventive action and control of internal quality audits and planning.

**Employment History:**

|  |  |
| --- | --- |
| **MEP&QA/QC Manager**  | **Saudi Oger Ltd./ KAUST** |

Sep 2009to Present Saudi Arabia (Thuwal) -KSA

Duties & Responsibilities:

* Review the design, implementation, execution, testing & commissioning of MEP services in coordination with other trades.
* Review, develop MEP coordination drawings, material submittals in accordance with project specification
* Direct and Manage a team of Mechanical, Electrical and Plumbing engineers towards project objectives
* Develop, implement and manage Quality Assurance/Quality Control ISO 9001 : 2008 (QA/QC) activities/procedures as required (i.e. Project Quality Plan, Method Statement, Inspection and Test Plans (ITP's), internal audits, coordinate/manage third-party external audits, etc.)
* Practice the Company Quality Management philosophy of continuous improvement
* Monitor and ensure completion of field documentation related to QA/QC activities, including material receiving and inspection activities
* Maintaining a reference library of standards, codes, procedures and other documents referenced in contract documents and ensure their availability to project management
* Perform random jobsite audits to ensure conformance to the company Quality Management System & Safety Management System etc. Verify that the quality related site activities are in accordance with the applicable codes and standards.
* Coordinate with the site construction/maintenance Manager on all quality issues coordinate and chair the QA/QC site weekly meetings with the projects QC personnel
* Interpret engineering drawings, specifications and code requirements and ensure that contractors have all the updated required quality plans, procedures.
* Establish and maintain positive, effective working relationship within internal and external contacts. Ensure consultant/client/authorities satisfaction both internally and externally through positive, pleasant, professional and efficient handling of issues.
* Issuing Non compliance reports and advises for the corrective / remedial work

|  |  |
| --- | --- |
| **Senior MEP Engineer** | **Oger Abu Dhabi, L.L.C./ GHD Consultants Australia** |

Feb 2007to Sep 2009 UAE University New Campus PPP Development, Al Ain - UAE

Duties & Responsibilities:

* Responsible to review the design, implementation, execution, testing & commissioning of MEP services in coordination with civil/architectural trades.
* Reference standards ARI, ASHRAE, ASTM, SMACNA, CIBSE, NFPA, UL, BS, EN, IEE, IEC, ISO, AWWA & LPC etc.
* Monitor the overall program and report the critical topics to Management across design, tender and construction phases.
* Responsible for the review of shop drawings, coordination drawings, material submittals.
* Responsible to interact with suppliers, subcontractor’s technical submittals, drawings and site execution.
* Manage and lead MEP subcontractors throughout duration of the project (from Groundbreaking through Commissioning and Turnover to Owner)
* Liaison with other sections (Commercial, Planning, QA/QC and Infrastructure) to manage and coordinate matters associate MEP Works.
* General review of Consultants and Contractors overall performance on monthly basis and report essential issues as needed.
* Review tender and contract documents including scope of Works, Programs, BOQs and Design Deliverables and identify the associated risks with the documents.
* Represent with Owner(s), Architects, Consultants, Government Authorities, Vendors and Subcontractors
* Build effective working relationships with clients and the project team members
* Verifying timely delivery of project materials as per approvals on site through internal audits.
* Conducts weekly reviews of the progress of works with the support of projects M & E Engineers.
* Validate BOQ for MEP and related works as prepared by the architect.
* Monitor the installation and start-up of MEP systems and commissioning of project with Engineer & Owner
* Co-ordination and Interfacing between various subcontractors on site.

|  |  |
| --- | --- |
| **Sr. Mech. Engineering &QA/QC****Manager** | **DAEWOO E & C CO., LTD./ KEO International Consultants.** |

Nov 2004to Jan 2007 College of Information & Technology Al Ain -UAE

Duties & Responsibilities:**­­**

* Responsible to work with Client, Consulting Engineers, Architects, and their representatives to ensure efficient building design, construction, and operation.
* Responsible to participate design and drawings reviews, meetings with clients and project teams, field reviews and testing.
* Provide mentoring to and assistance, encouragement, and motivation to team members
* Assist with the development and continuous improvement in Division's Commissioning process, policies, systems and project management tools to ensure
* Support site based staff on a technical level providing sufficient back-up on the coordination and installation of services and monitor sub-contractor progress through site inspections ensuring best practice and adherence to the project close-out process
* Review and interrogate sub-contractor designs and technical submittals ensuring only checked documentation is issued to consultants
* Actively involved and take responsibility for the production of project O&M Manuals, Project Quality Plan, Procedure’s, Method Statements & ITP’s.
* Verifying timely delivery of project materials as per approvals on site through internal audits.
* Issuing Non compliance reports and advises for the corrective / remedial work.

|  |  |
| --- | --- |
| **Sr. Mechanical Engg.&****QA/QC Manager** | **Drake & Scull International L.L.C./Group 3 Contractors & Engineers L.L.C.** |

Aug2003to Oct 2004Petroleum Institute Building No III, Abu Dhabi - UAE

 Duties & Responsibilities:**­­**

* Responsible for review of Mechanical (HVAC, Plumbing, LPG, Fountain etc) material submittals and shop drawings.
* Material take off & placement of orders as per material approvals.
* Installation of Mechanical Services / equipments as per approved shop drawings,
* Calculation for pressure loss of air ducts and Pump head for CHW / CW & HW systems
* Responsible for preparation and implementation of specific Project Quality plan as per ISO 9000 : 2000, Method statement, Quality Control Procedures, inspection and test plan for installation of Mechanical, Electrical, Plumbing and Fire Fighting systems.
* To ensure the productive performance of quality staff on site as per Company’s policy, manual and procedures.
* Responsible for coordination of MEP services & timely delivery of materials to meet construction schedule.
* Non compliance reports and advises for the corrective / remedial work.
* Responsible to provide training for site workers for installation of services as per manufacturer recommendations and approved method statements.

|  |  |
| --- | --- |
| **Quality Assurance & HSE Manager** | **Aster/Grossi& Speier J.V./Skanska Malta J.V.** |

Jun2002to Jul 2003 Mater Dei Hospital Project Malta (Europe)

Duties & Responsibilities:**­­**

* Responsible for preparation and implementation of Project Quality plans as per ISO 9000 : 2000 and Health & Safety Plan, Method statement, Quality/HSE Control Procedures, inspection and test plan for installation of Mechanical, Plumbing, Fire Fighting, Medical, building management system & Gas system/equipments.
* Weekly Quality/HSE inspections and quality meetings with consultant.
* Discussion with consultant for approval of MEP materials, shop drawings, and installations.
* Responsible for maintaining accurate records for welder's qualification, calibration test certificates for instruments and equipment's.
* Arranged meetings with five Sub-contractors Engineers and QA/QC inspectors for installation of services and carrying out internal quality audits. Responsible for materials inspection, handling, storage and shifting of material from store to site as per the recommended procedure.
* Responsible for quality control of all MEP services/equipments installation
* Non compliance reports and advises for the corrective / remedial work.
* Responsible to provide training for site workers for installation of services as per manufacturer recommendations and approved method statements

|  |  |
| --- | --- |
| **Construction & QA/QC Manager** | **ASTER Termopianti/ Target/SAEI J.V./ Nasa Multiplex** |

Nov 1997 to May 2002 Emirates Tower Dubai - UAE

Duties & Responsibilities:

* Responsible for all MEP engineers and traders.
* Monitoring the site activities in accordance with program of work.
* Responsible for all construction activities at site, quality of work, installation and progress of work and reporting to the Project Manager and coordinate with Main Contractor Construction Manager and Coordinator.
* Responsible for preparation and implementation of Project quality plans as per ISO 9000 :1994, Method statement, Quality Control Procedures, inspection, and test plan for installation of MEP services.
* Coordination with Engineers and subcontractors for installation/commissioning of MEP services
* Attending quality control and progress meetings with consultant.
* Discussion with consultant for approval of materials and shop drawings.
* Responsible for maintaining accurate records for quality i.e., welder's qualification, calibration test certificates for instruments and equipment's.
* Arranging meetings with Engineers and QA/QC inspectors and conducting internal quality audits Responsible for materials inspection, handling, storage and shifting of material from store to site as per the recommended procedure.
* Non compliance reports and advises for the corrective / remedial work.
* Responsible to provide training to site workers for installation of MEP services as per manufacturer recommendations and approved method statements.
* Responsible for Commissioning of equipments in co-ordination with Manufacturer representative.
* Responsible for handing over buildings and spares to client.

|  |  |
| --- | --- |
| **Mechanical Engineer**  | **Balfour Kilpatrick Gulf LLC (BK Gulf)/ Dubai Transport Company LLC (Ducto)** |

Sep 1996 to Nov 1997 Jebel Ali, Dubai - UAE

 Duties & Responsibilities:

* Preparation of material submittals and shop drawings for Mechanical services (HVAC, Plumbing & Fire Fighting systems).
* Material take off, placement of orders & to follow up the timely material delivery.
* Calculation for pump head & pressure loss for air duct.
* Installation of materials &equipment’s as per approved shop drawings.
* Inspection for installation of services and equipment’s with consultant
* Responsible for implementation of Project quality plans as per ISO 9001, Method statement, Quality Control Procedures and inspection and test plan for installation of MEP services.
* Quality control inspection for MEP services (HVAC, Plumbing, Fire Fighting, LPG, Boiler and Electrical systems) and BMS systems.
* Responsible for MEP material submissions to Consultant for approval.
* Responsible for preparation bill of quantity and Procurement / ordering of materials.
* Responsible for Commissioning of Plumbing system, drainage system, Fire Fighting system, LPG system, Water softening plant, Pressurization unit including DX Air-cooled water Chiller capacity 1040 tons and extract air system all inter locked with BMS system.

|  |  |
| --- | --- |
| **Sr. Project Engr.** | **Precold Engineering Industries** |

Jul 1992 to Sep 1996 Karachi Pakistan

Duties & Responsibilities:

* Design, erection and maintenance of HVAC system.
* Responsible for preparation of shop drawings for HVAC system.
* Computer selection of Chiller, AHU’s, FCU's and Chilled Water pumps.
* Installation and maintenance of Gas / Steam water absorption Chillers and Vapor compression type reciprocating chillers.
* Worked with Korean Engineers on Co generation system. Water Softening Plants, LPG, Humidifiers, De-humidifiers and Cooling Towers.

|  |  |
| --- | --- |
| **Project Engineer** | **Thermo-Dynamics (Pvt.) Ltd.** |

Jul 1989 to Jun 1992 Karachi Pakistan

 Duties & Responsibilities:

* Design, erection, Maintenance and operation of HVAC system.
* Supervision for installation and quality control inspection of HVAC services equipment’s.
* Responsible for preparation of shop drawings.
* Material submittal to consultant for approval.
* Preparation bill of quantity.
* Procurement and ordering of materials.
* Fabrication and assembling of Air/ Water Cooled Chillers.
* Commissioning of Water Chillers.

|  |  |
| --- | --- |
| **Personal Information:**Age : 52 years Date of Birth : 1st January 1965Nationality : Pakistani Visa Status : Valid Residence Visa for K.S.A.Marital Status : Married | **Other Information:**Driving License : UAE, KSA, Malta (Europe), PakistanLanguages Proficiency : English, Urdu, Hindi & Arabic (Halting) |

**PROJECTS INVOLVED (SUCCESSFULLY COMPLETED)**

|  |  |
| --- | --- |
| **Project Names** | **Description** |
| King Abdullah University of Science & Technology Thuwal - KSA | Erection of MEP Services for Administration Buildings (Commons, Mosque, Administration, Support Service, University Centre, Conference, Center, Auditorium and Garage), Academic Buildings (Applied Mathematics, Engineering and Science, Business data Centre , Campus Library) and Research Laboratories (Research Labs, Green House, High Bay / Pilot Plant, Fabrication Yard Facility, Outdoor research Lab bldg. & Chemical Warehouse) |
| UAE University New Campus Al Ain - UAE | Erection of MEP services for Female residence block, Kitchen, engineering, food science, humanities, social sciences, general studies, business & Economics, sports, dinning, village and Shared Labs (26 Buildings) |
| College of Information & Technology Al Maqam Campus, Al Ain – UAE | Erection of MEP services for College building i.e., Class rooms, Laboratories, Libraries & other offices areas.Cooling Capacity 2400 tons |
| Petroleum Institute Building No. IIIAbu Dhabi - UAE  | Erection for MEP Services for Offices and Laboratories.Cooling Capacity 564 tons  |
| Mater Dei Hospital ProjectMalta (Europe) | Erection for MEP Services & Medical Gas systems &equipments.Cooling Capacity 3000 tons |
| Ruwais Housing ComplexExp. Pkg-3 (ADNOC) – Abu Dhabi - UAE | Erection and commissioning of HVAC system, Plumbing/drainage system, Fire Fighting system/Fire alarm /FM200 system and BMS system.Cooling Capacity 3000 tons |
| Emirates Tower Dubai - UAE  | Erection and commissioning of HVAC system, Fire Fighting/Fire alarm system, FM 200 system Lighting, Control system & BMS system.Cooling Capacity 3200 tons |
| Jebel Ali Hotel Extension - UAE | Erection and commissioning of HVAC system, Air- Dubai - cooled Chiller (Vapor Compression type) for Hotel Air-conditioning. Cooling Capacity 1040 tons,Installation of all Mechanical services/ equipment Cold Water system, Chilled cold water system, Hot water system, water softening units, water pressurization system, Fire fighting system and BMS system. |
| Procter & Gamble - Pakistan | Design, erection and commissioning of Water Cooled Karachi - Chiller (Vapor Compression type) for Process system for soap industries; Cooling Capacity 30 tons |
| Johnson & JohnsonKarachi – Pakistan | Design, erection and commissioning of HVAC system, Water Cooled Chiller (Absorption type dual fired i.e., LPG / Diesel) for Pharmaceutical Company.Capacity 210 tons |
| National Institute of Banking &Finance Islamabad – Pakistan | Design, installation and commissioning of HVAC Finance system, Water Cooled Chiller (Absorption Type dual fired i.e., LPG / Diesel) for air-conditioning system. Cooling Capacity 250 tons (2 Nos.) |
| **Project Names** | **Description** |
| Coca Cola Industries Karachi – Pakistan | Design, erection, and commissioning of Water-Cooled Chiller (Vapor Compression type) for Process system for Beverage industries.Cooling Capacity 180 tons. |
| Sami Pharmaceuticals – Pakistan  | Erection and Commissioning of HVAC system, Water Karachi - Cooled Chiller (Vapor Compression type) for Cooling cum de-humidification for Pharmaceutical Company.Cooling Capacity 160 tons |
| Bengal Fibre – Pakistan | Design, erection and commissioning of HVAC system, Karachi - Water Cooled Chiller (Absorption type LPG Gas operated) for Cooling cum humidification in textile industries.Cooling Capacity 500 tons. |
| Wazir Industries ,Karachi – Pakistan | Design, erection and Commissioning of Water Cooled Chiller (Vapor Compression type) for Process system for Plastic Industries.Cooling Capacity 60 tons. |
| Mekotex Industries,Karachi – Pakistan | Design, erection and commissioning of HVAC system, Water Cooled Chiller (Absorption type 2 Nos. Gas Fired, Steam Fired) for Cooling-cum-Humidification in textile industries.Cooling Capacity 160 tons for Steam Fired &210 tons for Gas Fired. |
| Rasheed Textile Mills,Karachi – Pakistan  | Erection and commissioning of HVAC system, Water Cooled Chiller (Vapor Compression type) for Cooling cum humidification for textile Mills.Cooling Capacity 240 tons |