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| * **D.O.B:** Jan. 28th, 1987 |  | **Marital Status:** Single |
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**WORK EXPERIENCE**

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| **Sales Engineer – Power Systems** at **M.A.R-Al Bahar (CAT Dealer in the UAE, Qatar, Kuwait, Bahrain & Oman)**  May, 2014 – Currently in Progress  As part of the largest Caterpillar Dealership in the GCC my Responsibilities include:   * Representing Al-Bahar and liaising with MEP Consultants, contractors (Consultants include: Norr, WSP Middle East, M+W Group and many more). * Providing technical assistance and information pertaining to Caterpillar Power Systems both prime and stand-by type, including installation guidelines, product capabilities and giving possible solutions through conducting end user meetings and presentations * Understanding and working out the requirements of the client and carrying out FAT & SAT as required. * Working out product installation and Commissioning issues while carrying out Business Development work focused on targeting high value firms and consulting groups. * Assisting the Branch Sales Manager to cultivate customer base and meet AOP Targets * Conducting Sales of new Caterpillar Gensets specially those with detailed consultant specifications and advanced specification requirements, specially for Oil & Gas Companies such as Dragon Oil, National Oil Well Varco and firms like Dodsal, L & T. * Areas of my responsibility include: Dubai, Sharjah, Ajman and the Northern Emirates of the UAE |
| **Project Engineer - E & I** at **Global Pakistan (Pvt.) Ltd.**  March, 2011 – April, 2014  Hands on work experience pertaining to:   * Control System Design and DCS Integration, programming & Installation Of PLCs (Mitsubishi, Siemens) and their integration to DCS. SCADA systems, Installation & Design along with HMI development and system interfacing. * Project planning & requisitions including Instrument/Sensor/System Selection. * Pipe flow calculations, Designing, calibrating & troubleshooting of Gas flow metering systems (including Micromotion). * Gas Regulator modifications (Fisher) (springs, seats, Diaphragms) & adjustments. * P&ID development as well as Troubleshooting of hardware, software. * Fuel feasibility calculations for semi-processed gas supply to Boilers. * HSE Audits (NFPA-58 compliant LPG plant safety inspections, industrial safety inspections.   Project Supervision Installation & Commissioning (Team lead of projects consisting of 1 Jr. Engineer and 20 Technicians).   * Preparing reports & presentations, Dealing with Clients and Vendors, * In charge of project Control & Instrument equipment estimation * preparation of Bill Of Materials and Bill Of Quantity * Working with the Mechanical Engineering teams to carry out ASME compliant testing of Cylinders. |

**EDUCATION**

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| **Qualification** | **Institute** | **Year of Graduation** |
| B.E – Electrical Pakistan Engineering Council Regd. Engr.#: ELECT/33776 | Bahria University | 2011 |

**Courses/Certificates/Trainings**

* **Caterpillar Certified Electric Power Sales Professional –** Caterpillar University
* **6sigma Green Belt Training** –MISP, Dubai**,** UAE
* **Industrial Automation & Process Control DCS / HMI / SCADA** from TUSDEC (Accredited by City & Guilds UK)
* **PLC Programming (Mitsubishi & Allan Bradley)** from Pakistan Industrial Technical Assistance Center
* **Instrumentation & Process Control** from Pakistan Industrial Technical Assistance Center
* **Power Plant I & C Hands on O & M Training/Internship** at **KAPCO** **(1600 MW Combined Cycle Power Plant, operated by GDF-SUEZ).**

**PROJECTS**

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| **Supply & Commissioning of 4 x 810 kVA Caterpillar Generators with Synchronization at Fujeirah, UAE.**  **Client:** Sana Crushers  (February, 2015 – March 2015)  **Responsibilities:** Understood client requirement,Calculated Loads and worked out the cable and breaker requirements, Offered a Customized Genset Solution, according to Site requirements, generated the Bill Of Quantities, Floated an inquiry for Synch Controllers & Motorized Breakers, assisted the manager in selection of appropriate vendor for controller, Supply of the Gensets with the Installed Sync. Equipment. Assisted the commissioning Engineer and the Power Systems team in project commissioning. |
| **Low Pressure Flare Gas Processing & Power Generation facility at Pasakhi Gas Field, Sindh, Pakistan**  **Client:** Company Owned Project  (June, 2013 – December, 2013)    **Responsibilities:** Team Lead, Process Design according to the Gas/Condensate composition (for separating the constituent condensates) Personally responsible for its automation and equipment design. I designed for in-house fabrication, a 3 phase Bucket & Weir type Separator and made additions to its design to suit the needs of the project. I have also designed a suitable Venturii Flow-Tube based flow-metering system with a D/P Transmitter. |
| **Automated Compressed Natural Gas De-pressurizing System (5000m3/hr flow rate)**  **Client:** Liberty Textiles, Karachi  (Feb 4th, 2013 – June 24th, 2013, Commissioned)  Project aimed at helping the industry run its engines and a turbine.  **Responsibilities:** Team lead for a group of 10 technicians and 1 engineer. Calculated Line Sizes relative to the required pipe flow, Tested pressure regulators, assisted the mechanical team in modifying the pressure regulators to suit the requirements of the project (replaced springs, modified orifice seats). Complete instrumentation: Sensor placement and testing, gauge calibration checks. Complete automation of the system, including programming with actuators and MOV control with sensor feed backs and Emergency Shutdown . Developed an animated HMI for the project Tested and commissioned on-site: Liberty Textiles, Karachi |
| **HSE Audit of CNG Re-fuelling Stations across Pakistan**  **Client: TOTAL-PARCO**  (June 5th, 2013 – June 19th, 2013)  **Responsibilities:** Supervising Calibration checks of gauges and installed safeties. Evaluation of Emergency Shutdown & firefighting systems, staff fire-fighting training review, assisting in pipeline integrity and Hose conductivity checks. Assisting the team of Total Parco Pakistan in extrapolating of data. |
| **Automated Compressed Natural Gas De-pressurizing System (2600m3/hr flow rate)**  **Client: Yunus Textile Mills, Karachi**  (Sept. 2012 – Jan. 2013, Commissioned)  Project aimed at helping the industry run its Boilers for Power Generation  **Responsibilities:** Calculated line sizes relative to the pipe flows, assisted in the procurement of pressure regulators and adjusted them relative to the requirements of the project. Assisted in modifying Gas regulators to fulfill project requirements (Seat orifice size & Springs). Programmed the PLC and developed an HMI to run SCADA. Designed a small circuit, on-site, to take output pulses from the Micromotion Coriolis Flow Meter and send them to the PLC without the need for any protocols. Complete automation of the system, including programming with actuators and MOV control with sensor feed backs and Emergency Shutdown On-site project commissioning after testing at Yunus  Textile Mills, Karachi |
| **LPG Plant & Vessel Inspections (NFPA-58 Compliant) *Major Clients:***  **Oil & Gas Development Company Limited (OGDCL), Sui Southern Gas Company, Soorty Textile Industries (Storage & SNG Plant), BBN Energy, Byco Petroleum Oil Refinery**  **Responsibilities:** Inspections included ultra-sonic thickness measurements of installed Vessels, checks for corrosion and pitting on vessels, checks for installed safety relief devices, checks for hose conductivities, minimum allowable distances, checks for automated emergency shut-down features, calibration checks of gauges and transmitters, verifying the grounding of vessels. Checking the fire safety and Alarm systems, verifying with the help of plant P&ID’s the installed equipment, its integrity and ratings. Verifying the safety gear provided to facility operators and assessing the competency level of plant operators against hazards.   |  | | --- | | **Solar Based Hybrid Power Systems Clientele:** Small Businesses and Homes **Responsibilities:** Load calculations, System sizing and design according to the client’s requirements and/or power of purchase. Installation & Commissioning of the Power Systems | |