Muhammad

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**OBJECTIVE**

A challenging technical position in well esteemed organization, which will allow me to exercise

and expand my skills

**EXPERIENCE PROFILE**

SUMMARY

Control System and Instrumentation Engineer with almost 4 years of experience in design, selection, installation, commissioning and technical specification preparation of PLC, Safety/ESD, SCADA, Fire and Gas System, control valve sizing, field instrumentation associated with oil and gas in Pakistan.

**MAJOR PROJECTS**

**Pakistan Petroleum Limited, Sui Gas Field**

1.Revamping of Instrumentation and Control System of Gas Purification Banks.

1. Revamping of Instrumentation and Control System of Gas Dehydration units.
2. Revamping of Instrumentation and Control System of Boilers.
3. Installation and commissioning of Moisture analyzer in Dehydration plant.

**Pakistan Petroleum Limited, Kandhkot Gas Field**

1. Design and Engineering of Kandhkot Field Gas Compression Station.

**Combined Engineering and Integrated Solutions Pvt Ltd Oct-2009 to date**

**(Wholly owned subsidiary of SMEC, Australia)**

**I & C Design Engineer**

**JOB DESCRIPTIONS AND RESPONSIBILITIES**

- Working as I & C Design Engineer on **Kandhkot Gas Field Compression Station Project**

- Major Job responsibilities include **engineering and design specification** of I&C systems, Fire & gas detection systems, field instrumentation and cable scheduling etc.

**AVANCEON July-2006 to Oct-2009**

**Staff Application Engineer**

**JOB DESCRIPTIONS AND RESPONSIBILITIES**

**Instrumentation and Control**

- Worked on **Allen Bradley Control Logix 5000 and RS View software**

**-** Familiar with **Honeywell Experion PKS R 210 DCS**

- Performed **pre-commissioning and commissioning activities** of I & C system of Gas Purification plant and Boilers

- Control over **installation and calibration** of HART compatible instruments including smart transmitters, control

 Valves, Level Transmitters, thermocouples, pressure and level switches.

- Worked on Rockwell Automation **vibration system**.

- Installation and commissioning of **Ametek Moisture Analyzer OLV-3050** and **WDG** **Insitu** **O2 Analyzer.**

- Installation of **BMS (burner management system)**.

- Designing and Installation of **final flow element (Aerofoil)** for the first time in company’s history.

- Involved in **sizing and selection** of transmitters and Control valves Positioners.

- Supervision of installation activities including cable trays, junction boxes and cable laying.

- AutoCAD, Visio, Microsoft® Windows, Microsoft® Word, Microsoft® Excel, and Microsoft® Project.

**Design Documentation**

- Developed I & C Design Documentation of **Boilers and Gas Purification Plant**.

- Prepared field drawings and documentation including **P& IDs, plot plans and TR-20 Sheets etc**.

- Supervised and verified **system drawings** including System Topology, Cards drawings, Marshaling panel Drawings, Loop drawings and I/O Charts.

- Preparation of Specification Sheets, Sizing calculations, RFQ and PO packages, Technical bid evaluation, change orders and instrument cable schedules.

**Project Management**

- Involved in different activities of **project planning, management and execution**.

- **Client and sub-contractor(s)** handling

- Making feasibility reports for the projects.

- Prepared BOQ’s for the local accessories required for the project.

**TECHNICAL SUPPORTS**

**Afroze Textile Mills**

- Provided Technical support regarding mal functioning of PLC MicroLogix.

- Developed communication between the PC and MicroLogix processor.

**Garibsons Pvt Ltd**

- Worked on PLC 5 during the erection process of MDF line (Medium Density Fiber) at Gharo, Karachi.

- Decoded complete logic of the Plant for smooth commencing of the commissioning activities.

- Identified and checked the I/O wiring from Panel to field.

**International Textiles Pvt Ltd**

-Provided technical support regarding mal functioning of PLC 5.

- Problem resolved by developing communication between the PC and PLC 5 processor

**ACHIEVEMENTS**

- HSE award winner Year-2008

- Nominated for best engineer award Year-2008.

**EDUCATION PROFILE**

-B.E (Electrical) in 1st Division from NUST (Pakistan Navy Engineering College), Karachi Year-2006

-H.S.S.C in 1st Division from Pakistan Fazaia Degree College, Risalpur. Year-2002

**TRAININGS**

- Training on **Team Building** conducted by Bahria University at CEIS office.

- Attended training on **Time Management** arranged by Time Lenders.

- Attended a training based on **Self motivation & Project Management** at Avanceon Karachi office.

- Attended **HSE training** at Avanceon Karachi office.

- Attended a short course regarding **First Aid** from PNEC, Karachi.

- Successfully accomplished a short course on **Microsoft project** from PNEC, Karachi.

**PERSONAL INFORMATION**

Nationality: Pakistani

Date of Birth: 23rd of September, 1983