

MOHAMMAD DILSHAD ALAM
Project & Commissioning Engineer (Automation)

Objective

"To obtain a challenging position in Instrumentation / Industrial Automation and Project Management field, in a growth oriented organization and to employ the knowledge and skills acquired during my career to contribute to the team effort to achieve group goals and at the same time endeavor to acquire newer and sophisticated skills".

Career Summary

- Seven years of work experience (Middle East) in Instrument Project Design, Engineering and Commissioning with Rockwell Automation, Invensys process system, Honeywell Middle East & Yokogawa Middle East, ABB.
- Seven years of work experience (India) in Instrument Project Design, Engineering and Commissioning with Rockwell Automation & Siemens.

Professional Experience

Present Job Profile

Company : Yokogawa Middle East Bahrain
Designation : Project Engineer – Engineering Division
Duration : From Jun 2010 to March 2017

Present Job Responsibilities

- Working as a Project Design & Commissioning engineer for PCQ-2 Tank farm and Berth Project (SADARA) from Apr 2016 to March 2017

Professional Skills

- Good experience of Hardware Design Engineering and Integration testing and Commissioning of PLC, DCS and ESD System.
- Sizing of process and safety Instrument in accordance with the technical instruction, Architecture and hardware selection based on customer's RFQ, Specification, IO Summary and Segregation Philosophy.
- Coordinates the evaluation of the design changes to the original scope of work and verifies the Implementation with team.
- Coordinating with Procurement activities for all type of instruments including third party items, Controller and raising BOM and Floating enquiries to Vendor & Vendor follow-up.
- Planned, scheduled and estimated project activity times, sequencing those activities from concept to completion. Monitored actual progress, compare to baseline and report progress against schedule.
- Prepared Daily, weekly and monthly progress report.
- Work with subcontractors, supplier representatives & other discipline teams to ensure proper documentation of testing.
- Daily basis meeting before start work and taking permit to work (PTW).

Experience includes:

- Installation, Configuration, Fault diagnostics, preparing connection to a DCS, Locate DCS faults, Monitor & Modify values and Troubleshooting of DCS as well as ESD hardware.

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- Review of P&ID, Hookup drawings, Instrument location & wiring layout, air Flow Diagrams.
- Field Engineering, Assisting in Modification of system design (Internal panel modification, addition of modules in Panel) as per Client requirement etc.
- Loop checking, Schematic checking, Logic checking and wiring diagram checking, Developing logics for PLC and DCS.
- Cause & Effects (Safety Analysis Chart _Process).
- SIL3 Safety system.
- Foundation Field Bus Segments and DD files.
- Performing serial/Modbus communication test.
- Interface with Vendor's Packages and other disciplinary requirements.
- Conducting FAT,SAT, Calibrating all Field instruments.
- Follow SAT procedure.

Project executed

1. ADCO SAHIL AND SHAH FULL FIELD DEVELOPMENT PROJECT

Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : Startup Commissioning Engineer

Duration : June 2010 to Dec 2011

End User : Abu Dhabi Company for Onshore Oil Operation (ADCO)

EPC : Tecnicas Reunidas (TR) - Spain

Project Details : The project scopes include additional wells, flow lines, replacement and modification of existing facilities and building new surface.

Key Role

- Involved Preparation of Basic and Detail engineering.
- Conducted Power Loop checking.
- Generated Open and close loops in system, extended support in FF devices configuration & ADM (Advanced diagnostic module).
- Conducted PRE-FAT, FAT test and involved all related shipping activities.

2. ABU DHABI OIL REFINING COMPANY (TAKREER PROJECT)

Engineering Location : Yokogawa Abu Dhabi

System : Yokogawa CENTUM VP & ProSafe RS

Role : DCS Startup Commissioning Engineer

Duration : Jan 2012 to Dec 2012

End User : Abu Dhabi Oil Refining Company

EPC : S.K Engineering, G.S Engineering, Samsung Engineering & M/s Daewoo Engineering–Korea

Project Details : It was the expansion of the existing plant for double the output at the refinery from its capacity of about 400,000 barrels a day of crude oil and condensate.

Key Role

- Involved in the Project Engineering stage for support.
- Coordinated successful System testing for Distribution Control System, Emergency Shutdown System and Burner Management System.
- Conducted PRE-FAT, FAT test, SAT test and involved all related shipping activities.

3. ADCO ASAB FULL FIELD DEVELOPMENT PROJECT

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Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : Startup Commissioning Engineer

Duration : Jan 2013 to Jun 2013

End User : Abu Dhabi Company for Onshore Oil Operation (ADCO)

EPC : Petrofac

Project Details : The project scopes include additional wells, flow lines, replacement and modification of existing facilities and building new surface.

Key Role

- Involved in Pre-Commissioning and Commissioning of DCS, ESD & Wellheads.

4. ADCO QUSAHWIRA FULL FIELD DEVELOPMENT PROJECT

Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : Startup Commissioning Engineer

Duration : Jul 2013 to Nov 2013

End User : Abu Dhabi Company for Onshore Oil Operation (ADCO)

EPC : NPCC

Project Details : The project scopes include additional wells, flow lines, replacement and modification of existing facilities and building new surface.

Key Role

- Involved Preparation of Basic and Detail engineering.
- Conducted Power Loop checking.
- Generated Open and close loops in system, extended support in FF devices configuration & ADM (Advanced diagnostic module).
- Conducted PRE-FAT, FAT test and involved all related shipping activities.

5. ABU DHABI MARINE OPERATING COMPANY UMMLULU & NASR PHASE 1 PROJECT

Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : Startup Commissioning Engineer

Duration : Dec 2013 to Dec 2014

End User : Operator Abu Dhabi Marine Operating Company (ADMA)/ ZADCO

EPC : L&T

Project Details : ADMA OPCO planned to develop two phases Ummlulu and Nasr phase 1 to achieve a peak production of approximately 22,000 STBOPD each. Aiming for early production using the spare capacity at ZADCO UAD facilities for Ummlulu two Wellhead towers and Abu Al Bukhoosh (ABK) facilities for Nasr Phase consisting two Wellhead towers and one manifold tower.

Key Role

- Involved in Pre-Commissioning activities at Sohar Yard (OMAN) and Commissioning for Process (DCS), safety and Fire & Gas systems (PLC & Subsystem) at offshore.
- Conducted training on ICSS systems (Yokogawa) for ZADCO and ADMA operators.

6. SAIH NIHAYDA CONDENSATE STABILIZATION PLANT (PDO)

Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : Shutdown & Startup Commissioning Engineer

Duration : Jan 15 to Mar 2015

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End User : Petroleum development Oman

EPC : ATS

Project Details : The project scopes include SNGP PLC migration shutdown.

Key Role

- Involved in Pre-Commissioning and Commissioning of DCS, ESD. Conducted SAT test.
- Conducted Power Loop checking & Calibration of all type of transmitter.

7. Automation up gradation at Khatiyah Degassing Plants Shutdown (QATAR GAS)

Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : Shutdown & Startup Commissioning Engineer

Duration : Apr 15 to Jul 2015

End User : Qatar Petroleum

EPC : Qatar Petroleum

Project Details : The project scopes include EPIC for Automation Upgrade at KM, KS & KN Degassing Stations at Dukhan (shutdown Project).

Key Role

- Involved in Pre-Commissioning and Commissioning of DCS, ESD.
- Conducted Power Loop checking & Calibration of all type of transmitter.
- Conducted SAT test.

8. Ruberef Yanbu Refinery Expansion Project

Engineering Location : Yokogawa Bahrain

System : Yokogawa CENTUM VP & ProSafe RS

Role : DCS/ESD Project Engineer

Duration : Aug 2015 to Dec 2015

End User : Saudi Aramco Ruberef

EPC : Samsung engineering company LTD

Project Details : It was the expansion of the existing plant.

Key Role

- Involved Preparation of Basic and Detail engineering.
- Conducted Power Loop checking.
- Conducted PRE-FAT, FAT test and involved all related shipping activities.

9. STOREX CONTROL SYSTEM UPGRADE PROJECT(ADGAS)

Engineering Location : Honeywell Middle East

System : Safety Manager

Role : ESD Project Engineer

End User : Abu Dhabi Gas Liquefaction Company (ADGAS)

EPC : KENTZ Engineers & Constructors

Project Details : The project scopes control system upgrade and modification of existing system.

Key Role

- Involved Preparation of Basic and Detail engineering.
- Conducted Power Loop checking.
- Conducted PRE-FAT, FAT test and involved all related shipping activities.

10. JUAYMAH GAS PLANT PROJECT(Saudi Aramco)

Engineering Location : Honeywell Middle East

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System : Experion PKS (Process Knowledge System)

Role : DCS Project Engineer

End User : Saudi Aramco

Project Details : The project scopes replacement and modification of existing facilities and building new surface.

Key Role

- Involved Preparation of Basic and Detail engineering.
- Conducted Power Loop checking.
- Conducted PRE-FAT, FAT test and involved all related shipping activities.

11. NORTH REFINERY COMPANY PROJECT (Iraq)

Engineering Location : Honeywell Middle East

System : Experion PKS (Process Knowledge System)

Role : DCS Project Engineer

End User : North Refinery company project (Iraq)

Project Details : The project scopes replacement and modification of existing facilities and building new surface.

Key Role

- Involved Preparation of Basic and Detail engineering.
- Conducted Power Loop checking.
- Conducted PRE-FAT, FAT test and involved all related shipping activities.

Project: 3.3 KV Switchgear Replacement at Umm Al Dalakh (ZADCO, Abu-Dhabi)

This system is used to Monitor & Control the Load Shedding of Generator (Offshore Shutdown Project).

Role: - Panel Designing and Testing, PLC programming, HMI developing and commissioning.

Duration : Jan 16 to Mar 2016

CPU: - Controllogix L61

I/O: - 1794 Flex I/O.

HMI: - Touch Screen PC (Axiom)

Networks: - Control net

Programming Language:-Ladder

MicroLogix(1000,1100,1200,1400,1500), RSLogix 5, RSLogix 500, RSLogix 5000, ControlLogix, RS View 32 (SCADA), Panel View, Panel View plus, Panel Builder, RS View Studio (PLC & HMI programming software of Allen Bradley), Installation, programming & commissioning Of Power Flex.

Previous Job Profile

Company : Om Automation, New Delhi, India

Designation : Project Design & Commission Engineer (Rockwell)

Duration : From May 2005 to Jun 2010

Job Responsibilities

- Worked as a Design Engineer and providing technical support, preparing I/O Database, preparing I/O specifications etc.
- Maintained all CAD operations, CAD peripheral equipment, CAD files and paper files; managed all engineering documents for centralized document management system.
- Responsible for the layout and design of Control system Panels, such as DCS, ESD, Network, server and Power distribution Panels, System architecture, network diagrams,

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Loop drawings, cable schedule, single line diagram, cable bus, including control room raised Floor Cable Management System.

- Prepared HIS (Human Interface Station) Consoles, Auxiliary Consoles, hardware console, WALL MOUNTED PANEL.
- Interacted with customers and took their opinions in re-designing products.
- Collaborated with engineering team and delivered projects in time.
- Involved in quality inspection, reviewed engineering design specifications and developed simplified and cost effective designs.
- Produced "As built" drawings at the completion of projects.
- Programming in Several type Allen bradley PLC ,HMI & AC/DC Drive.

Educational Background

Degree/Course	Board/Institute/University	Year	Percentage
Diploma in Electrical & Electronics	K.C.T. Polytechnic, Gulbarga, Karnataka (Govt. aided Institute & approved by AICTE).	2004	60.00 %
Intermediate (B.I.C.B)	Mirza Galib College, Gaya	2000	70.00 %

Professional Experience

No.	Company Name	Designation	Duration	Years
1	Om Automation, Delhi, India	Commissioning Engineer	Mar-2017 to Till Date	1.5
2	Reliance Way Engineering (Middle East)	Project Engineer	June-2010 to Mar-2017	7
3	Om Automation, Delhi, India	Project Engineer	Feb-2006 to June-2010	5
4	Detection Instruments Pvt. Ltd.	Service Engineer	Jan-2005 to Feb-2006	1

Key Strength

Flexibility & Adaptability, Quick learner, Leadership, Team Work Skills, Effective Communicator, Negotiating.

Skill Set

1. Experience with YOKOGAWA control products, Centum 3000, Centum VP (DCS) and ProSafe RS (ESD & Fire and Gas) system.
2. Experience with Rockwell PLC, RS Logix 500, RS Logix 5000, RS View 32(SCADA) , Panel Builder, RS View Studio(HMI) & AC/DC Drive.
3. Experience with Honeywell control products, Safe Builder or Safety Manager (ESD & Fire and Gas) system.
4. Good Know – how of Modbus, IEC-101, IEC-103, IEC 61850, Ethernet, video controllers, GPS and Switch/Router configuration.
5. Familiar with Windows XP/WIN7, TCP/IP networks, IT solution (troubleshoot & solutions), and MS Office.
6. 2D & 3D Computer aided designing- MicroStation & AUTOCAD certified.

Personal Information

- **Full Name** : Mohammad Dilshad Alam.
- **Date of Birth** : 12th Feb, 1984
- **Gender** : Male
- **Marital Status** : Single

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- **Passport** : N 0414452
- **Place of Issue** : Abu Dhabi (UAE)
- **Validity** : 16/12/2025

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge
And I bear the responsibility for the correctness of the above mentioned particulars.



Mohammad Dilshad Alam