

Instrument & Control Engineer

Objective:

To join a career in promising organization that may offer congenial working environment along with ample opportunity of future prospects and growth.



Experience:

Instrument and Control Engineer employed in oil and gas sector for the past **12 years**, Experience comprises mainly of maintenance and operation of oil and gas production processing facilities including instrumentation used on gathering flow lines, processing plants, wellheads, compressors, Gas engines and auxiliary equipment with specialization in control systems.

Employments Details:

COMPANY

POSITION TITLE

DURATION

Abu Dhabi Company for onshore Petroleum Operation Ltd.

Instrument and Control Engineer

Feb 2015 - Continue (**4 Years**)



Employments Details:

COMPANY

POSITION TITLE

DURATION

ENI Pakistan Limited, Oil & Gas Exploration & Processing Co.

Instrument and Control Engineer

Feb 2009 – Jan 2014 (**5 Years**)



Employments Details:

COMPANY

POSITION TITLE

DURATION

ENI Pakistan Limited, Oil & Gas Exploration & Processing Co.

Instrument and Control Engineer (Contract Basis)

Jan 2007 – Jan 2009 (**2 Years**)



Employments Details:

COMPANY

POSITION TITLE

DURATION

Fauji Fertilizer Bin Qasim Limited

Internship (1 Month only)

June 2006 – Aug 2006 (**1 Month**)



Introduction:

Terminals, Pipeline & Oil/Gas Movements Operations (TPO) Asset is ADCO's gateway to the International Oil Export Market where crude oil is shipped to various markets worldwide. In July 2012, the strategic ADCOP project including ADCO Fujairah Terminal was successfully commissioned highlighting a major milestone in UAE history. The new 48 inch diameter Pipeline has been designed to transport ADCO Crude Oil to this Main Oil Terminal (MOT) in Fujairah for export through the offshore loading facilities.

ENI, Bhit gas field is providing round about **500mmScf** per day to SSGC to meet the highly increasing energy requirement in Pakistan. To meet the production requirement, Eni moves to WH compression to maintain the pressure and flow for their Export. I am the one member of well head WHC team which is responsible to commission and maintain the fast growing project of compression and after commissioning responsible for maintenance. The WHC is Equipped with Power generation of GE Engine having Separate Control system, CAT Engine ECM having separate Control system, Ariel gas compressor have Separate Allen Bradley PLC and all three control system are monitored by ABB DCS and also fire & gas and auxiliaries are directly controlled by ABB DCS XA-800 (AC800M).

Jobs and Responsibilities:

DCS: Operation, Documentation Maintenance and Troubleshooting.

- ABB AC-800M Controller

PLC: Operation, Documentation Maintenance and Troubleshooting.

- Allen Bradley 5561 series
Controller 1756-LA61 (Software: RS Logic 5000 series)
- Siemens S7-400 Simatic.
- Pak Scan Dedicated for MOV's
- Ocean Technology dedicated for offshore area

SPM:

- Crude oil Loading Platform (Single point Mooring Instrumentation & Maintenance.

WELLHEAD COMPRESSION:

Completion of 10 Wellhead Compression Project Installation & Commissioning activities & take over operational responsibility onwards Improve reliability and availability of field instrumentation and control system through planned maintenance

Compressors: Operation, Documentation Maintenance and Troubleshooting.

- Reciprocating – Ariel
JGC4 - (4 throw double acting)
JGC6 - (6 throw double acting)
- Centrifugal – (Man Turbo)

Fire and Gas System: Operation, Documentation Maintenance and Troubleshooting.

- LOS (Line of Sight) (Tx-Rx) - Dragger Gas Detectors,
- Point Gas Detectors (IR Base) - Dragger Gas Detectors,
- XDFI –Infra Red Flame Indicator (S200+ series triple IR detectors), (Thorn-Security).
- XGD- Combustion able gas detector (Net Safety)
- XTG- Toxic gas detector (H₂S) (Net Safety)TP-700
- Hydrogen Detectors GT3000 (det-tronics)
- Linear heat detectors (Net Safety)
- Smoke detectors: Apollo

Gas Engines: Operation, Documentation Maintenance and Troubleshooting.

- **Caterpillar:**
ECM (Engine Control Module), ICSM (Integrated combustion system Module)
Caterpillar 3600 Series
3612(12 Cylinder 1.9MW)
3616(16 Cylinder 3.3 MW)
- **GE:**
Ge Jenbacher JGS 312 GS-N.L (500 MW)
PLC: BR with GE Fanuc HMI
DUNGS PCV for Fuel Controlling

Metering Control System:

- FMC Metering system for Crude oil flow Calculation.
- Daniel Metering Skid **500** Series with Daniel **2350** Gas Chromatograph Controller (Dual detector G.C for measurement C1 to C10+ for Sale Gas Metering)
With **FLOBOSS S600 series**.
(Moon Software)
- **Flo Boss 407 Flow Manager (Rosemount)**
Rocklink 800 (Software)

Field Instrumentation

- Transmitters: (Pressure, Flow, Temperature, level)
Maintenance and calibration of Smart Transmitters Rosemount, Moberay, Officine orbichiene, Masoneilan, ABB, Bailey, YOKOGAWA, Enders Houser, Foxboro, and Siemens smart series transmitter.
- Pressure switch:
Beta, SOR, CCS pressure switches. Mobrey, UE, Danfos, Delta, Westlock, Honey Well, sira
- Level switch:
Moberay, fisher, sira, Endress Houser,
- Flow switch:
Krohne,
- Control Valves:
Fisher, Masoneilan, ABB, choke valves (Black Bore), Flowserve, General.
- Shutdown Valves:
Shaffer, Biffi, Bettis, FielQ, Fisher, Neles Jamesbury, Elomatic, Cameron.
- Positioner:
Fisher Fieldvue DVC 6010, 6020, **ABB TZID, Flowserve**
- Sensors & converters:
Thermocouples, RTD's, LDVT's, Speed Probes, Igniters, Flame Scanners. Limit Switches
I/P, P/I, I/H Converters, Servo Valves,

AREA CLASSIFICATIONS:

- Knowledge about area classification and implementation of different standards
Competent and aware to work in Hazardous area like Division 1, Division 2 & Zone 0, 1, 2 & 3.

Academic Background:

- BS in Electronics Engineering
(SIR SYED UNIVERSITY OF ENG & TECHNOLOGY)
Passing Year: 2006.
Member of Pakistan Engineering Council (PEC)
- BS in Information Technology
(Virtual University)
Passing Year: 2006.
- F.Sc (Pre Engineering)
Passing Year: 2001.
- Matriculation
Passing Year: 1998.

Training / Courses:

- 3 Month course in IT + Communication skills from Pakistan Institute of Management, Karachi.
- 1 Weeks Control Valves Training in Fisher Manufacturer Plant in Nelai (Malaysia) 2007.
- H2S
- Basic Fire Fighting
- HSE
- PTW
- Confined Space Entry
- Gas Test
- Bentley Nevada 3500
- Oil Spill
- Tank Guaging System

Computer Skills:

- Microsoft Office 2010
- CAT ET Engine configuration software
- GE Fanuc, RS View (Proficiency)
- ABB Control Builder AC800M
- RS Logic 5000 series
- Moon Software for Daniel Monitoring studio
- Rocklink 800 for Flo Boss 407 (Emerson)
- Microsoft Project
- Microsoft Visio
- AutoCAD 2007-2008 (2D)
- Adobe Photoshop
- SAP 6.0
- Maximo

Interests:

- Swimming,
- Table Tennis,
- Jogging.

Name	:	SUFFIAN AHMED MAZARI
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