

# MUHAMMAD AHMAD AWAN

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## PROFESSIONAL PROFILE

- ✚ 14 Years of experience in Shutdowns, Construction & Maintenance Projects; Fabrication and Installation of Piping and Plant Equipment related to Oil & Gas, Petrochemical & Manufacturing Sectors.
- ✚ Well conversant with the applicable International Codes & Standards for Construction, Repair, Materials and Inspections of Plant Equipment and Piping, i.e., ASTM, ASME, API, AWS, TEMA, SAUDI ARAMCO & SABIC.
- ✚ Worked as QMR in two companies, achieved IRCA approved Certifications on ISO 9001 and OHSAS 18001, Conducted more than 25 external **ISO 9001 QMS Audits** through Moody International Pakistan.

## QUALIFICATION / CERTIFICATIONS / COURSES / TRAININGS

- ✚ **B.Sc. Engineering in Industrial & Manufacturing (Mechanical)** from University of Engineering & Technology Lahore, Pakistan. (2002-2006)
- ✚ **API 510 Certification**, Pressure Vessel Inspection (**Certification # 74004**)
- ✚ **API 570 Certification**; Piping Inspection (**Certification No. 45812**)
- ✚ **CSWIP 3.1 Level II**, Certification for Welding Inspection by TWI-UK (**Certification No. 88664**)
- ✚ IRCA approved **ISO 9001 Lead Auditor** Course A-17038 (LAC) by SGS Pakistan.
- ✚ IRCA approved **OHSAS 18001 Lead Auditor** Course (LAC) by Moody International Pakistan.
- ✚ One-day training program on “**Integrated Management System (IMS) Awareness & Implementation**” by Olayan Descon Industrial Company, KSA.
- ✚ Training course on “**Welding Procedure Specification & ASME section IX**” by National Institute of Design & Analysis, TUSDEC Pakistan.
- ✚ Training Course on “**Fire Prevention & Control**” by Olayan Descon Industrial Company, KSA.
- ✚ Training Course on “**Positive Material Identification**” by Olayan Descon Industrial Company.
- ✚ Training Course on “**ISO 9001 Documentation and Implementation**” by Institute of TQM Punjab University, Pakistan.
- ✚ Two-day training program on “**Kaizen- Integrated Productivity Improvement**” by NPO LCCI.
- ✚ One-day course on “**Engineering Procurement & Contracts**” by Pakistan Engineering Council.
- ✚ Training Program on “**Decision Making & Problem Solving Skills**” by WWF Pakistan.
- ✚ Workshop on “**Environmental Education for All**” by WWF Pakistan.
- ✚ Several Seminars on different Professional Topics.

## WORK EXPERIENCE

OLAYAN DESCON INDUSTRIAL/ENGINEERING COMPANY  
Lead Quality Engineer

April 2011 – April 2019

### RESPONSIBILITIES

Responsibilities as **Project Quality Manager** at Abqaiq Plant Saudi Aramco Project(2017-2019):

- ✚ To ensure compliance of Saudi Aramco Standards and Specifications
- ✚ Supervision of all QC personnel as per Q- Schedule requirements
- ✚ Monthly Submission of Project Quality Management Report(QMR)
- ✚ Submission of Two Weeks Look Ahead Inspection Plan(TWLA)
- ✚ Weekly Quality Meetings
- ✚ Arrangement for the closing of LBEs/NCRs
- ✚ Arrangement of Tool Box Trainings/talks before start of each new activity.

#### **Responsibilities as Lead QA/QC (in Olayan Descon)**

- ✚ Preparation and Implementation of QA/QC documents as per Project Scope. (Project Quality Plan, ITPs, WPS, WQTRs and other related QC procedures) for all project phases including Design, material procurement & Construction.
- ✚ Quality monitoring for all stages of project construction including material receiving, fabrications, installation / erections, pressure testing, Tie-ins, pre-commissioning activities and upto final acceptance to ensure compliance with applicable standards and project specifications.
- ✚ Assignment and supervision of QC Supervisor/Inspectors.
- ✚ Determination of NDT requirements as per SOW and arrangement of NDT Services.
- ✚ Arrangement of final handover documentation (QA/QC Dossier/Turnover Packages).
- ✚ Responsible for ASME R-Stamp and U-Stamp jobs.

### **JOBS PERFORMED:**

### PROJECTS

PROJECTS	CLIENTS
Installation of Backup Liquid Burn Pit Project at ABQAIQ Plant (Worked as Project Quality Manager 2017-2019)	ABQAIQ, Saudi Aramco
Construction of Separate Flare Stack System for Plant III. (March to October 2016, 08 months Project including Shutdown)	AR RAZI (SABIC E&PM)
Linde SIGAS2 EI Installation Project. (6 Month duration)	Linde-Dammam
Cold Box Revamp Project (Including Fabrication of Structural Integrated Piping Module) (6 months duration)	Petro Kemya (E&PM-SABIC)
IPC - Infrastructure Pipe Line Project ( Ethylene Pipe line & RAW water Pipe line) (01 year duration)	SIPCHEM
Condensate Hammering Piping Modification Project @ MTBE Plant (Including Fabrication of ASME U-Stamp Vessel)	SADAF (SABIC)

(06 moths duration)	
Construction of 24" GAN / GOX Pipe Lines from GAS-Jubail for PTC and PCC in Jubail-II. (06 months duration)	GAS-Jubail (SABIC E&PM)
Sectional Retubing of Water Tube Boliars # 11 & 13, at South Steam Plant. (03 months duration each)	ABQAIQ, Saudi Aramco
Installation of 6" New Flare Line from Olefins Storage Area to Existing LP Polyethylene Elevated Flare header. (01 year, one of short duration several design modification projects inside Saudi Kayan)	Saudi Kayan (SABIC E&PM)
Replacement of Tank Bottom/Annular Plates.	Saudi Kayan (SABIC E&PM)
Construction of Acetylene reactor's pressurizing line from ethylene vapour start up line in Olefins Plant.	Saudi Kayan (SABIC E&PM)

## **SHUTDOWNS**

<b>SHAUT DOWNS</b>	<b>CLIENTS</b>
T&I Major T/A, EIS WORK, Nov. 2017	RasTanura Refinery, Saudi Aramco
Major T/A of Ethylene Plant, March 2016	SADAF (SABIC)
OPD2 Major Turnaround, Oct. 2015	Saudi Aramco Shell Refinery (SASREF)
DR Module-E Shutdown, April 2014	HADEED (SABIC)
VBU Shut downs, February 2014, 2018	Saudi Aramco Shell Refinery (SASREF)
TGU SDs - April 2018, January 2016, Nov. 2013	Saudi Aramco Shell Refinery (SASREF)
Installation of 3rd Stage Steam Re-heaters (K84-E-178 A/B) at Sulphur Recovery Plant (2013)	Khursaniyah Gas Plant, Saudi Aramco
Repair of defective packing sections of K86 Air Strippers, (R-Stamp Jobs in 2013 & 2014)	Khursaniyah Gas Plant, Saudi Aramco
Fabrication & Installation of Internals for Reactor and Regenerator at MTBE plant (2014 & 2012)	SADAF (SABIC)
Elbow Sleeve Fabrication & Installation at 24" Flare Line (with Online Welding)	SHARAQ (SABIC)

**Responsibilities:**

- ✚ Conducting Planned Internal Audits at sites and Moody Pakistan offices against Internal Handbook Policies and QMS for assessment of continual improvement.
- ✚ Review of Project Quality documentation including ITP, WQTRs and Test Procedures.
- ✚ Development & Implementation of QMS in Inspection Division.
- ✚ Review and up-gradation of Quality Procedures, Work Instructions and Process Descriptions for effective implementation.
- ✚ Responsible for Maintaining Corrective & Preventive actions log on corporate MIIWA system of Moody International on behalf of Pakistan office (for both Quality & HSSE)
- ✚ Conducted **25 External QMS Audits** from the platform of MI Pakistan in different Industries.

**HIGH-TECH NETWORKS LTD. ENGINEERING & SERVICES**  
**ENGINEER PROJECTS/QC (FABRICATION UNIT)**

**April 2008 – September 2009**

Fabrication & Installation of Fuel Storage Tanks, Sound Proof Enclosures and Steel Structures

**Responsibilities:**

- ✚ Preparation of QA/QC documentation as per job scope, client specifications and international standards; and coordination with clients for review and approval.
- ✚ Documents include ITP, Weld Map, WPS, WQTRs and test Procedures.
- ✚ Qualification of new welders, maintaining WQTRs and welders repair rate on monthly basis.
- ✚ Arrangements for Tests and NDE as per scope of work.
- ✚ Monitoring of shop fabrications and pre-shipment inspections.
- ✚ Execution of Internal Audits and QMS implementation at shop floor.
- ✚ Conducting Internal Audits, raising and maintaining NCR Log.

**PAKISTAN SPRING & ENGINEERING CO. (Pvt.) LTD**  
**ENGINEER PRODUCTION / QUALITY**

**January 2006 - April 2008**

Auto Parts Manufacturer and Specialized in Spring Manufacturing. Major Clients: HONDA, SUZUKI, YAMAHA, Millat Tractors, and Others.

**Responsibilities:**

- ✚ Managing **Production Planning and Control** functions.
- ✚ Working on the Productivity Improvement of critical processes.
- ✚ Preparation and implementation of Product Quality Control Charts and Process Quality control Charts.
- ✚ Management Representative (MR) for **Quality Management System**.
- ✚ Working on documentation and implementation of **ISO 9001** within Company.
- ✚ Conducting Internal Audits against **QMS & ISO 9001**, and raising and maintaining NCR Log.
- ✚ Fabrication activities within company i.e., Fabrication of machine frames, modifications, Storage racks, Material handling trolleys for different manufacturing operations.