

Azhar Shaheen

Qazi

EPC Project Management



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**PROJECT MANAGEMENT · QUALITY MANAGEMENT · SITE
MANAGEMENT · CONSTRUCTION · ENGINEERING ·
PROCUREMENT · PLANNING & CONTROLS ·
INSPECTIONS · RETROFITS · SHUTDOWNS**

SUMMARY

I have **40 years of experience** in EPC project management, program management and quality management. Started by 1973 and since then have worked with leading clients in Pakistan, UAE, Qatar and KSA. Major clients include SNGPL, PPL, Nichimen Corporation, Ras Laffan, Olefin, PARCO, Shell, RasGas, QatarGas, SIPC, Barzan, SEMREF, Gasco, QAPCO and QAFCO.

MAJOR PROJECTS

- Barzan Onshore Project
- Shell Pearl GTL
- Gasco Ruwais Facilities Project
- Fatima Fertilizer Plant
- Dolphin Project, Qatar
- SIPC Methanol Project
- CCPP Kot Addu
- Engro Ammonia Storage
- Ras Laffan Olefin
- PARCO Mid Country Refinery
- AES Lalpir Power Plant

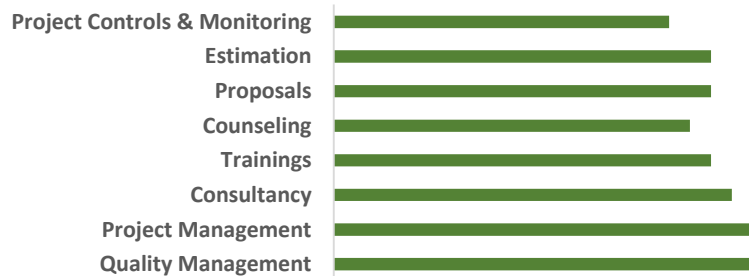
STRONG TRAITS

- Leadership
- Team Work
- Good Interpersonal Skills
- Adaptation in tough roles
- Motivating Youth

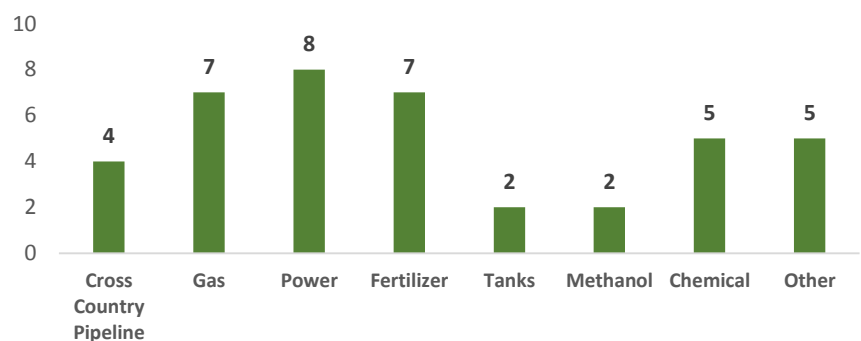
CAREER ACHIEVEMENTS

- ✓ Through understanding of Engineering Specs of Qatar Gas, RasGas, QP, JGC, Flour, Landley, ABB, ExxonMobil & Bechtel along with ASME & API Codes.
- ✓ Experience in Cross-country Pipelines, Gas Plants, LNG Plants, Refineries, Fertilizers, Methanol Plant, Olefin Plants and Water and thermal Power.
- ✓ Worked as QA&QC Manager, managing a team of 135 Engineers and Inspectors.

WHAT CAN I DO?



WHERE I SPENT 40 YEARS?



TIMELINE

2014 – 2015	Descon Engineering Qatar LLC Manager QA&QC Qatar Business Area
2011 – 2013	Descon Engineering Qatar LLC Manager QA&QC - Barzan Onshore Project
2010 – 2011	Descon Engineering (Pvt) Ltd Construction Manager – Shell Tanks Fabrication, Karachi.
2009 - 2010	Descon Engineering (Pvt) Ltd I/C QA&QC Fatima Fertilizer Project.
2008 – 2009	Descon Engineering (Pvt) Ltd Site Manager – Engro Fertilizers Project
2007 – 2008	Descon Engineering (Pvt) Ltd I/C QA&QC DHQ Lahore.
2006 – 2007	Descon Engineering Qatar LLC Manager QA&QC – Shell GTL Project
2005 – 2006	Descon Engineering Qatar LLC Construction Manager – Ras Laffan Olefin Company Project
2004 – 2005	Descon Engineering Qatar LLC I/C QA&QC – Dolphin Project
2003 – 2004	I/C QA&QC – SIPC Methanol Project
2001 – 2002	Descon Engineering Ltd, UAE I/C QA&QC Gasco Ruwais Up gradation Project
1998 – 2000	Descon Engineering (Pvt) Ltd. Construction Manager – PARCO Mid Country Refinery Project
1996 – 1998	Descon Engineering (Pvt) Ltd Confruction Manager – AES Lalpir Project
1994 – 1995	Descon Engineering (Pvt) Ltd I/C QA&QC – CCPP Upgradation Project Kot Addu
1993 – 1994	Descon Engineering (Pvt) Ltd I/C QA&QC – Engro Chemicals Plant Expansion
1991 – 1993	Descon Engineering (Pvt) Ltd I/C QA&QC – Fauji Fertilizers Plant Expansion
1989 – 1991	Descon Engineering (Pvt) Ltd I/C QA&QC – Hydro Electric Power Project Mangla
1988 – 1989	Descon Engineering (Pvt) Ltd I/C QA&QC – CCPP Kot Addu
1987 – 1988	Descon Engineering (Pvt) Ltd Site Manager – SNGPL Cross Country Pipeline Kot Addu
1986 – 1987	Descon Engineering (Pvt) Ltd Site Manager – Gas Gathering Pipeline Pakistan Petroleum Ltd.
1985 – 1986	Descon Engineering (Pvt) Ltd Project Engineer – PPL Gas Compression Project
1982 – 1985	Descon Engineering (Pvt) Ltd QA&QC Engineer – National Refinery Lube Oil Expansion
1980 – 1982	ICI Construction Engineer – ICI Polyester Project Sheikhupura
1979 – 1980	Imperial Construction Company Inspection Engineer – Various Projects
1975 – 1979	Industrial Inspection Consultants Jr. Engineer Inspection/Welding Inspector



SCOPE OF MAJOR PROJECTS

1) GASCO Ruwais Facilities Up-gradation Project

Client: Technip, France

Scope of work: Civil and Mechanical works including Shutdowns. Works was performed under live plant conditions, strictly following permit to work system. All execution activities were sported by revamp method statements and job plans. Gas plant area was checked and monitor for gas free environment.

Major Quantities:

Earthwork	:	59,500	Cu.M
Concrete	:	9,500	Cu.M
Rebar	:	384	Tons
Fire Proofing	:	9,400	Sq.M
Roads	:	15,800	Sq.M
Equipment	:	1,800	Tons
Piping	:	1,900	Tons
Pipe Support	:	100	Tons
Steel Structure	:	1,470	Tons
Painting	:	32,630	Sq.M
Insulation	:	17,090	Sq.M
Total Shutdowns	:	04 Nos.	
Shutdown # 1 & 2	:	14	Days Each
Shutdown # 3 & 4	:	05	Days Each

2) 2x100 MW CCPP Kot Addu, Units 11 & 12

Client: Alsthom Export, France / Stein Industries

Scope of Works: Mechanical Erection Works for Turbines, Generators Hall. Fabrication & Erection of HRSGs.

Major Quantities:	Rotary Equipment	:	220	Tons
	Stationary Equipment	:	1,400	Tons
	Piping	:	1,000	Tons
	Pipe Support	:	130	Tons
	C.W. Piping	:	450	Tons
	Steel Structure	:	1,600	Tons
	Painting	:	50,000	Sq.M
	Insulation	:	27,000	Sq.M
	Pressure parts	:	2,000	Tons

3) PARCO Mid Country Refinery (100, 000 BPD)

Client: Marubeni Corporation

Scope of work:

- Construction management / execution of process & offsite areas for civil, piping, structure, equipment erection, electrical and instrumentation work.

- Civil Works for Pre-cast pipe racks, piling & equipment foundations for process area and cooling towers.
- Mechanical erection of equipment & piping including heavy lifts (450 Tons), piping fabrication and erection in process plant.
- Erection of complete Tank Farm, total 61 Nos. Tanks including 03 Spheres.
- Insulation and cladding.
- Electrical & Instrumentation works of process plant.

Major Quantities:	Concrete	:	40,000	Cu.M
	Total Equipment	:	5,500	Tons
	Piping	:	485,000	Inch-dia
	Storage Tanks	:	11,000	Tons
	Insulation & Cladding	:	37,000	Sq.M
	Insulation Pipe Fitting	:	86,000	M
	S.S. Piping	:	440	M
	Fire Proofing	:	400	M

4) AES Lalpir 2 x 362 MW Power Plant

Client

Nitchimen Corporation

Scope of work:

Mechanical erection of static and rotary equipment, Fabrication and Erection of Piping, Steel structure, Pipe rack.

Erection of Boilers and Turbines.

Painting and insulation of Equipment and Piping.

Man-hours: 5.0 million

Manpower: 2900

Major Quantities:

- Erection of 02 Nos. of water tube conventional Boilers of capacity 1200 TPH each.
- Erection of 02 Nos. of Steam Turbines of capacity 362 MW and 365 MW.
- Erection of 02 Nos. o Generators coupled to the above said Turbines.
- Erection of Equipment and Piping (Balance of Plant) of both Turbines.
- Erection of Fuel Gas Desulphurization (FGD) System of Unit # 2.
- Fabrication of Wet Stack of FGD System.
- Construction of Temporary Facilities (Housing, Offices, Water Network, Power Network etc.) for MHI personnel.

5) Others

- PAKVEN-600 Plant Expansion (600 Ton Urea Per Day) at Engro Chemical of Pakistan, Daharki.
- Plant Expansion Project (800 Ton Urea Per Day) at Fauji Fertilizers Co.
- Hydroelectric Power Station Extension Project (Steel Lining of Tunnel No.5, Mangla Hydel Power Station, Unit 9 & 10), Mangla.
- Combined Cycle Power Plant Project (100 x 2 = 200 MW with 4 Boilers 57.6 Kg/S = 2 and 50.2 Kg/S = 2) at G.T.P.S., Kot Addu.
- Cross Country Pipeline Installation Project (Pipeline Construction of Gas Pipeline 16" Dia 86 Km) at SNGPL.
- Gas Gathering Pipeline Project of PPL Kandkot Gas Field.
- Gas Compression Project of PPL, Sui.

- National Refinery Lube Oil Expansion Project and Lube Oil Refinery (100,000 Tons Per Year), Karachi.
- Worked as Construction Superintendent with Imperial Construction Company at Pakistan Steel Mills. Responsible for erection and welding of aluminum bus bars.
- Worked as Jr. Executive Inspection with Industrial Inspection Consultants under supervision of Ateliers De Constructions Electriques De Charleroi was involved in welding inspection and interoperation of radiographs.
- Worked as Junior Executive Inspection with Industrial Inspection Consultants under the supervision of TAMS (American Consultants) was responsible for aluminum bus bar welding of 500 KV switchyard and interoperation of radiographs.
- Worked as Welding Inspector/ Radiographer with Industrial Inspection Consultants under the supervision of INVENTA was responsible for inspection and radiography of NP, CAN and Nitric Acid Plant of Pak Arab Fertilizer Limited.
- Worked as Welding Inspector cum Radiographer with Industrial Inspection Consultants was responsible for welding inspection and radiographic interoperation at following projects:

Sui Northern Gas Pipeline Project IV.

SNGPL Wha-haripur gas pipeline Project from Hatar to Haripur.

SNGPL Dhullian-Gali Jagir Pipeline.

PPL well 24 gas feeder line at Sui Gas Fields.

RESPONSIBILITIES

As QA&QC Manager

- To Build QA/QC team as per project requirement and lead/manage them in organized manner to avoid quality bottleneck of project and finish off the project smoothly.
- Conducting management review meetings, Client meetings and interdepartmental bottle neck discussions.
- Prepared a project specific Project Quality Plan spanning all aspects of quality related procedures, methodologies, document control and all other necessary factors paramount to quality assurance and quality control.
- Training of Project Personnel on DESCON Integrated Management System (DIMS), Company Policies, Standard Operating Procedures & Method Statements.
- To prepare and carry out internal audits plan and preparation of audit reports mentioning the reservations/CARs and finally following up the non-conformities for their closure.
- To prepare site training schedule and execute the plan to trained resources as per their respective job requirements.
- Subcontractor's prequalification, monitoring and control
- Responsible for establishment of method statements relating to civil, mechanical and NDT (Non Destructive Testing) as per project specification.
- To prepare the inspection and test plans (civil, mechanical etc) to ensure the application of quality standards up to the satisfaction of client and applicable codes, standards.
- Responsible for the overall execution of the Inspection and Test Plans at Project site by leading the well-managed team of activity Inspectors.
- Quality management system audits & planning, quality manpower and cost analysis, Cost of repair, calibration& Rework analysis.

- Preparation of internal audit plans, their implementation and distribution of audit summary reports with solutions to avoid recurrence of any non-conformance.
- CARs, NCRs, Field Quality alerts preparation.
- Preventive actions to avoid any non-conformance or delay in project/product delivery.
- Follow up of timely closure of Audit observations, NCRs, PARs and CARs.
- Quality Objectives establishment and their monitoring as KPIs, raising red flags for concerns and their timely close out.
- Measurement analysis and continual improvement.
- Quality general documentation and Dossiers, Safety analysis and MS preparation..
- Verification of proper document distributions as per QMS requirements.
- Assurance of record retention maintenance and traceable filing system.
- Cost of quality analysis and preventive plans to minimize failure/Rework costs.
- Quality management system comprehensive trainings, focusing on IMS implementation and management responsibilities.
- Equipment Calibration audits and IMTEs management.
- Review of IMTE Records & MTCs on monthly basis.
- Weekly awareness trainings to new hiring on Quality issues & their refreshers.
- Daily activities planning and report preparation to the management.
- Root cause analysis and measuring lessons learnt.
- Project Quality presentations and monthly quality steering meetings with sponsors.
- Ability to take guideline from ASME, ASTM, API, AWS.
- Preventive actions to avoid any non-conformance or delay in project/product delivery.
- Preparation of WPS/PQR as per project specification (ASTM A-36, SMAW, SAW and GTAW welding processes).
- To prepare and maintain the all execution, inspection and NDT records for the preparation of dossier which would eventually have to be submitted to client after successful completion of project.
- Reviewing and preparing Test Packs as per Parameters and feasibility.
- Checking all formats and reports required within testing limit.
- Responsible for line walking test packs and preparing Punch list in accordance with revised Isometrics and Piping Plans.
- Responsible for Punch killing Verifications and witnessing client.

As Project/Site/Construction Manager

- Schedule the project in logical steps and budget time required to meet deadlines.
- Determine labor requirements and dispatch workers to construction sites.
- Inspect and review projects to monitor compliance with building and safety codes, and other regulations.
- Interpret and explain plans and contract terms to administrative staff, workers, and clients, representing the owner or developer.
- Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants, clients, suppliers and subcontractors.
- Obtain all necessary permits and licenses.
- Direct and supervise workers.
- Study job specifications to determine appropriate construction methods.

- Select, contract, and oversee workers who complete specific pieces of the project, such as painting or plumbing.
- Requisition supplies and materials to complete construction projects.
- Prepare and submit budget estimates and progress and cost tracking reports.
- Develop and implement quality control programs.
- Take actions to deal with the results of delays, bad weather, or emergencies at construction site.
- Confer with supervisory personnel, owners, contractors, and design professionals to discuss and resolve matters such as work procedures, complaints, and construction problems.
- Plan, organize, and direct activities concerned with the construction and maintenance of structures, facilities, and systems.
- Investigate damage, accidents, or delays at construction sites, to ensure that proper procedures are being carried out.
- Evaluate construction methods and determine cost-effectiveness of plans, using computers.
- Direct acquisition of land for construction projects.

SHUTDOWNS/TURNAROUNDS

2015	Dolphin Energy S/D Manager QA&QC
2015	RLOC S/D Manager QA&QC
2015	Q-Chem S/D Manager QA&QC
2015	Qatar Gas Train-04 Manager QA&QC
2015	Qatar Petroleum S/D Manager QA&QC
Apr 2014 – May 2014	Qatar Gas Train-1 RLIC QA&QC Manager
Jan 2014 – Feb 2014	QAPCO Shutdown Mesaieed QA&QC Manager
Aug 2013 – Sep 2014	QAFCO Shutdown 2&4 Mesaieed QA&QC Manager
May 2013 – June 2013	QP Refinery Shutdown QA&QC Manager
2002	SAMAD Shutdown, KSA I/C QC
2002	SEMREF Shutdown, KSA I/C QC
2006	SEMREF Shutdown, KSA I/C QC

LEARNING

- **NDT & Radiation Safety**
Safe Rad Institute 2014
- **Level II (UT,RT,DPT,MT)**
American Society of Non-Destructive Testing 2014

- **Effective Communication Skills**
Pakistan Institute of Management, Lahore 1999
- **Seven Basic Tools of Quality Control**
Pakistan Institute of Quality Control 1995
- **Skills in Supervision**
Pakistan Institute of Management, Lahore 1989
- **Diploma of Associate Engineering (Mechanical)**
Punjab Board of Technical Education, Lahore 1973