



COMPANY PROFILE



QUANTUM DYNAMICS (PVT.) LIMITED

Brief Introduction

Quantum dynamics Target is to be become a world-class construction company with brand as Forerunner management as base. Personnel as core. Renovation as power, mechanism as guarantee, information as breakthrough and culture as guide. QD is proud that with the blessings of almighty Allah, QD is moving fast towards their splendid future with their intelligence, courage and honesty.

(QD) as established since then, the company has become successful and motivated for excellence in oil & chemicals & petro-chemical, power, cement, fertilizer and infrastructure sector.

However, even before the establishment of “QD”, the founders of the company have been involved in equipment installation, Fabrication, Erection of piping network, tanks and Steel structure work activities for the last two decades.

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QD is a construction company having distinct position in the market and very good relations with the Clients. QD's main business is to do General Contractor of Mechanical & Civil Works, Equipment Manufacturing. Equipment installation, building construction, cross country pipeline, various manufacturing, installation of construction material, equipment, steel structure, crane without track, manufacturing at site and local manufacturing of large equipment.

QD has successful experience in Building construction, Equipment installation, erection. Fabrication and welding, etc. QD follows the three “Zeros” concept i.e.

- Zero Injury
- Zero Accident
- Zero life loss

And ensures the proper utilization of personal protective equipment's (PPE's) so that the encountered risk in construction could be minimized. QD has good relations and cooperation with the owners which is a result of Excellent coordination in all aspects such as in civil works, equipment configurations, and realizing the best project investment .

QD's team of executive and engineers is highly qualified, energetic and having rich experience in construction industry "QD", is also having a team of over 400 workers as well as technicians who have undergone specialize training in the field of Design. Planning, fabrication, Erection, insulation, Sandblasting and painting etc.

Timely completion of all ongoing projects always received out highest priority. "QD" activities have now also been extended to diversified huge projects of national significance, especially for cement, fiber, chemical, oil refinery and power generation plants with complete technical know-how.

The company is well equipped with modern tools & equipment's. Moreover, the enterprises takes special pride in its latest quality control facilities to monitor record and maintain the supreme quality standards to the entire satisfaction of our valued clients . Emphasis on quality work at all stages of design. Planning and installation jobs is the hallmark of our organization for which our team enjoys enviable reputation in the public as well as private sector

QD Engineers have very vast experience in the installation of Equipment, Fabrication, Erection, Sand blasting, painting, etc. of many projects.

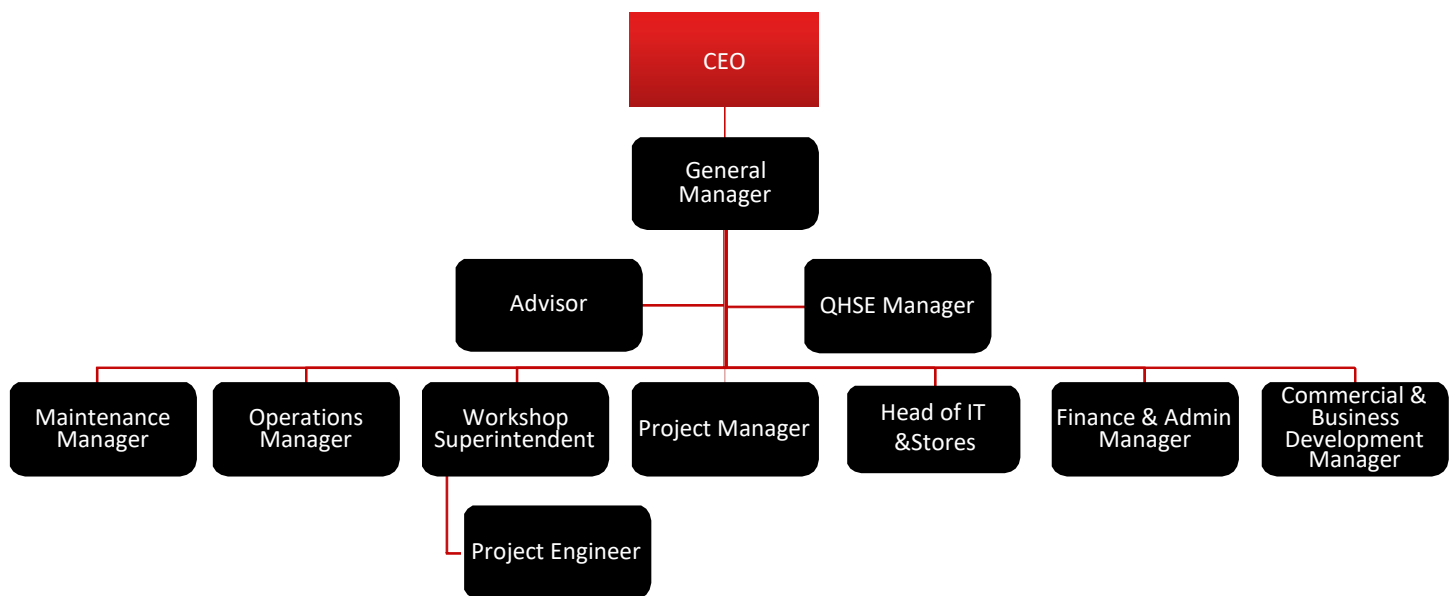
Fabrication and Erection of MS Storage tanks, Oil Storage tanks, pipe Rack structure piping, pumps, chillers, cooling Towers Waste water treatment plant, gas Turbine 175 MW. Turbine, Diesel Power Generator, generators, firefighting system. Crude oil storage tanks (Floating roof type 62 meter dia 06 Nos.) steel Rib/ Arch, 70 Ton , 40 TPD Boiler "H.T. Boiler Steel Structure for Pre-Heater 750 ton. 263 ft, height . Storage shed (135 meter long and 52 meter wide). Process piping, nitrogen plant piping, utility piping, air handing unit, 08 Nos . cooling water storage tanks, etc.

QD Engineers also have a experience in hydro-testing, pre-commissioning & commissioning activities, shutdown, dismantling, insulation, etc.

General Information:

- **Company Name** : **Quantum Dynamics (Pvt.) Limited.**
- **Main Office** : **Shakir Kot, Airport Road, Sadiqabad,**
- **PEC Registration No.** : **53430**
- **NTN No.** : **3817212-7**
- **PST No.** : **P3817212-7**
- **Incorporation No.** : **0077000**

Company Organization Structure



BUSINESS SECTOR

				
Oil & Gas	Chemical & Petrochemical	Power & Cement	Fertilizer Infrastructure	Food Industries

CORE VALUES

- ✓ Trust
- ✓ Honesty
- ✓ Integrity
- ✓ Courage
- ✓ Respect and dignity
- ✓ Prosperity for stakeholders including employees

PROJECT MANAGEMENT

QD team has a track record successfully managing projects within the defined scope, budget, quality and safety parameters. Over the years, the management team has been involved in evolving and implementing various projects management and control systems enabling sharp focus on cost and schedule control.



OUR VALUES, PURPOSE, VISION & MISSION STATEMENTS

QD team has a track record successfully managing projects within the defined scope, budget, quality and safety parameters. Over the years, the management team has been involved in evolving and implementing various projects management and control systems enabling sharp focus on cost and schedule control.

Professionalism, Ethics and integrity

We believe in professional, honest and ethical behavior in all our activities and that the course of highest integrity will establish and maintain the highest professional and personal standards

Commitment and team work

We honor commitments made to our internal and external clients and strive to work effectively as a team we believe that teams containing appropriate diversity of skills and approach can achieve a high level of synergy that individuals alone cannot.

Candid and open environment

We encourage an environment where all communication is candid, courteous and provide adequate information enabling us to do our jobs more effectively and contribute to the quality of our decision making.

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Recognition and growth of individual and respect for human dignity

We believe in the dignity and value of individuals. We encourage the growth of employees and promptly recognize good performance and contribution to meet the Company's objective.

Encouragement of leadership, Initiative and innovation

We value leaders who are committed, enthusiastic and have the requisites managerial skills to inspire a group to set challenging targets and achieve them cheerfully, we also encourage individuals who can take initiative and develop innovative ideas.

Continuous Improvement in All Aspects of our Business

We believe that an earnest commitment to continuous improvement in all aspects of our business is inescapable to our imminent success and growth

VISION

To become a world-class engineering, manufacturing and construction company, operating nationally.

MISSION

To provide our customers with quality, cost effective and reliable solutions as an EPC contractor at home and a manufacturer of plant and equipment in the region.

PURPOSE

To bring prosperity and wellbeing to our stake holders and society at large by adding value to engineering, technology and management

FFCL (TA-19 SCAFFOLDING PROJECT MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project TA-19 SCAFFOLDING JOB
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Scaffolding Erection/Removal Services Required TA-19.
- Duration 2 Months
- Total Cost (PKR) 13.9 Million

FFCL (NP PLANT AGITATORS TA-19 PROJECT MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project NP PLANT AGITATORS TA-19
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description NP Plant Agitators Removal & Installation TA-19
- Duration 15 Days
- Total Cost (PKR) 1.8 Million

FFCL (TA-19 MODIFICATION JOBS MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project TA-19 MODIFICATION JOBS
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description TA-19 Modification Jobs Ammonia Synthesis Area, Front End Back End.
- Duration 20 Days
- Total Cost (PKR) 12.3 Million

FFCL (TA-19 NG DRAINAGE FACILITY MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project TA-19 JOBS NG DRAINAGE FACILITY
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description TA-19 Modification of NG Drainage Facility.
- Duration 10 Days
- Total Cost (PKR) 1.4 Million

FFCL (EXECUTION OF O & U TA-19 MOCss MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project EXECUTION OF O & U TA-19 MOCss
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Services Required for Execution of O&U TA-19 MOCss.
- Duration 10 Days
- Total Cost (PKR) 1.5 Million

FFCL (MTM CYCLONES TA-19 JOB MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project MTM CYCLONES TA-19 JOB
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Fabrication & Installation of MTM Cyclones.
- Duration 10 Days
- Total Cost (PKR) 1 Million

FFCL (SUCTION DUCTS TA-19 JOB MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project SUCTION DUCTS TA-19 JOB
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Fabrication & Installation of MTM Outlet & G-1402 Blower Suction Ducts.
- Duration 10 Days
- Total Cost (PKR) 8.7 Million

FFCL (KNOCK OUT DRUM PROJECT MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project KNOCK OUT DRUM
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Installation of KOD (D-101) at NG Area in Plant Site
- Duration 1 Month
- Total Cost (PKR) 4.4 Million

FFCL (LCO2 PLANT MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project LCO2 PLANT
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Mechanical Execution works of LCO2
- Duration 4 Months
- Total Cost (PKR) 13.4 Million

FFCL (SAFETY SHOWER PROJECT MUKHTAR GARH SADIQABAD - PAKISTAN

- Name Of Project SAFETY SHOWER
- Name Of Client FATIMA FERTILIZER COMPANY LIMITED
- Type Of Project Mechanical
- Brief Description Installation of Temperature Control Safety Shower at Plant Site.
- Duration 1.5 Month
- Total Cost (PKR) 4.6 Million

FPCDL (DOOSAN POWER PLANT DAHARKI - PAKISTAN)

- Name Of Project Raw Water Storage Tank - Capacity 12,000 Cu.M
- Name Of Client DOOSAN HEAVY INDUSTRIES
- Type Of Project Mechanical
- Brief Description Fabrication & erection of Tank- Dia 36 Mtr
- Duration 6 Months
- Total Cost (PKR) 21.6 Million

FPCDL (DOOSAN POWER PLANT DAHARKI - PAKISTAN)

- Name Of Project Fuel Oil Tank - Capacity 8,000 Cu.M
- Name Of Client DOOSAN HEAVY INDUSTRIES
- Type Of Project Mechanical
- Brief Description Fabrication & erection of Tank- Dia 26 Mtr
- Duration 6 Months
- Total Cost (PKR) 15.6 Million

FPCDL (DOOSAN POWER PLANT DAHARKI - PAKISTAN)

- Name Of Project Demin Water Storage Tank - Capacity 500 Cu.M
- Name Of Client DOOSAN HEAVY INDUSTRIES
- Type Of Project Mechanical
- Brief Description Fabrication & erection of Tank- Dia 12 Mtr
- Duration 2 Months
- Total Cost (PKR) 2 Million

FPCDL (DOOSAN POWER PLANT DAHARKI - PAKISTAN)

- Name Of Project Portable Water Storage Tank
- Name Of Client DOOSAN HEAVY INDUSTRIES
- Type Of Project Mechanical
- Brief Description Fabrication & erection of Tank- Dia 6 Mtr
- Duration 1 Months
- Total Cost (PKR) 1 Million

ENGRO - DAHARKI, PAKISTAN

- Name Of Project CO₂ Recovery Unit Tank
- Name Of Client DESCON - PAKISTAN
- Type Of Project Mechanical
- Brief Description Fabrication & Erection of SS Tank- Dia 8.5 Mtr
- Duration 1 Months
- Total Cost (PKR) 2.5 Million

BHP - ZAMZAMA GAS FIELD DADO, PAKISTAN

- Name Of Project Produced Water Storage Tank 800 Cu.M - EPCC Contract
- Name Of Client BHP - PAKISTAN
- Type Of Project Mechanical
- Brief Description Fabrication & Erection of SS Tank- Dia 9.5 Mtr.-
- Duration 06 Months
- Total Cost (PKR) 28.5 Million

OMV, KADIN WARI- PAKISTAN

- Name Of Project Produced Water Storage Tank 450Cu.M - EPCC Contract
- Name Of Client OMV - PAKISTAN
- Type Of Project Mechanical
- Brief Description Fabrication & Erection of SS Tank- Dia 8 Mtr.-
- Duration 06 Months
- Total Cost (PKR) 14 Million

ICI – PAKISTAN

- Name Of Project Manufacturing Of Two Canes
- Name Of Client ICI Polyester Plant Sheikhpura
- Main Contractor ICI Pakistan
- Type Of Project Mechanical
- Brief Description Fabrication Of Two Canes
- Duration 6 Months
- Starting Date 20th May, 2005
- Completion Date November, 2005
- Total Cost (PKR) 6.00 Million

CHAKWAL CEMENT PROJECT

- Name Of Project CHAKWAL CEMENT PROJECT
- Name Of Client CHAKWAL CEMENT KALLAR KAHAR
- Main Contractor DESCON ENGINEERING LTD
- Type Of Project Mechanical
- Brief Description Fabrication and erection of Pre -heater
Fabrication of Shuttering Plates
- Duration 9 Months
- Starting Date March, 2005
- Completion Date December, 2005
- Total Cost (PKR) 42.00 Million

D.G CEMENT, CHAKWAL

- Name Of Project D.G CEMENT, KALLAR KAHAR
- Name Of Client D.G GROUP, PAKISTAN
- Main Contractor DESCON ENGINEERING LTD
- Type Of Project Mechanical
- Brief Description Fabrication of Pre -heater
- Duration 11 Months
- Starting Date April, 2004
- Completion Date March, 2005
- Total Cost (PKR) 18.00 Million

DEFENSE HOUSING SCHEME PHASE -2

- Name Of Project DEFENCE HOUSIGN SCHEME Phse -2, Islamabad
- Name Of Client AWT , PAKISTAN
- Main Contractor Habib Rafiq Limited
- Type Of Project Electrical
- Brief Description Excavation and Back -Filling
External Electrification works (Underground)
Erection of Transformer, Distribution
Panel, Street Light etc .
- Duration 8 Months
- Starting Date April, 2004
- Completion Date October, 2005
- Total Cost (PKR) 12.50 Million

DEFENCE HOUSIGN SCHEME PHASE -2

- Name Of Project DEFENCE HOUSIGN SCHEME Phse -2, Islamabad
- Name Of Client AWT, PAKISTAN
- Main Contractor Habib Rafiq Limited
- Type Of Project Mechanical
- Brief Description Laying of 8", 6", 4" & 3" dia pipe for
164 KM water Supply line
- Duration 19 Months
- Starting Date May, 2003
- Completion Date December, 2004
- Total Cost (PKR) 25 Million

OMV PAKISTAN

- Name Of Project KADANWARI ENHANCEMENT Project
- Name Of Client OMV PAKISTAN
- Main Contractor SIEMENS PAKISTAN
- Type Of Project Mechanical
- Brief Description FABRICATION, ERECTION AND HYDROTESTING
OF PIPING FABRICATION AND ERECTION OF
STEEL STRUCTURE
- Duration 3Months
- Starting Date June 25 ,2004
- Completion Date August 25 ,2004
- Total Cost (PKR) 4.22 Million

BERINI

- Name Of Project DIESEL STORAGE TANK
- Name Of Client BERINI
- Main Contractor PETROCON PVT LTD
- Type Of Project Mechanical
- Brief Description FABRICATION ASSEMBLYING AND TRANSPORTATION UPTO AFGHANISTAN (Section 200 x 200 x 10)
- Duration 45 Days
- Starting Date May 25, 2004
- Completion Date July 10, 2004
- Total Cost (PKR) 2.80 Million

OMV PAKISTAN

- Name Of Project Shutdown – Kadanwari Enhancement Project
- Name Of Client OMV PAKISTAN
- Main Contractor Q.D ENGINEERING
- Type Of Project Supply of Manpower & Equipment
- Brief Description Supply of Manpower & Equipment during the shutdown
- Duration 10 Days
- Starting Date September 15 , 2004
- Completion Date September 25 ,2004
- Total Cost (PKR) 5.40 Million

FRONTIER WORKS ORGANIZATION

- Name Of Project Frontier Works Organization
- Name Of Client F .W.O. Rawal Road, Chaklalah
- Main Contractor Q.D ENGINEERING
- Type Of Project MECHANICAL
- Brief Description Fabrication of Steel Rib /Arch (Section 200 x 200 x 10)
- Duration 1 Month
- Starting Date November 27 , 2003
- Completion Date December 30 ,2003
- Total Cost (PKR) 2.30 Million

NATIONAL DEVELOPMENT COMPLEX

- Name Of Project National Development Complex
- Name Of Client N .D .C.
- Main Contractor Q .D ENGINEERING
- Type Of Project MECHANICAL
- Brief Description Fabrication and Erection of Storage Shed
- Duration 1.5 Month
- Starting Date August, 2003
- Completion Date September, 2003
- Total Cost (PKR) 1.00 Million

SHASHI PIPE FACTORY, KARACHI

- Name Of Project SHASHI PIPE FACTORY KARACHI
- Name Of Client China Petroleum, China
- Main Contractor Techno
- Type Of Project MECHANICAL
- Brief Description Erection of Pipe Manufacturing & Coating Plant
Sand Blasting and Painting of all steel
Structure and piping
- Duration 5 Month
- Starting Date September, 2002
- Completion Date March, 2003
- Total Cost (PKR) 8.00 Million

ICI POLYESTER PLANT, SHEIKHUPURA

- Name Of Project ICI Polyester Plant, Sheikhpura
- Name Of Client ICI
- Main Contractor Q .D ENGINEERING
- Type Of Project MECHANICAL
- Brief Description Manufacturing of Polymer transfer bin
- Duration 2 Month
- Starting Date December, 2002
- Completion Date January, 2003
- Total Cost (PKR) 2.30 Million

MAZARI OIL FIELD UPGRADE PROJECT MATLI

- Name Of Project MAZARI OIL FIELD UPGRAE PROJECT, MATLI
- Name Of Client BRITISH PETROLEUM, PAKISTAN
- Main Contractor PCL
- Type Of Project MECHANICAL
- Brief Description Fabrication & Erection of Piping Fabrication & Erection of Steel Structure Worked in shutdown, hydro testing and commissioning activities.
- Duration 6 Month
- Starting Date February, 2002
- Completion Date August, 2002
- Total Cost (PKR) 5.4 Million

44 KTPA POLYESTER STAPLE FIBER PROJECT

- Name Of Project 44 KTPA POLYESTER STAPLE FIBER PROJECT, SHEIKHUPURA
- Name Of Client ICI PAKISTAN
- Main Contractor Fayzan Manufacturing Modaraba
- Type Of Project MECHANICAL
- Brief Description Fabrication of Peddler Cane Fabrication and Erection of Storage Tank
- Duration 6 Month
- Starting Date December, 2001
- Completion Date May, 2002
- Total Cost (PKR) 7.7 Million

ICI SODA ASH WORKS, KHEWRA

- Name Of Project ICI SODA ASH WORKS, KHEWRA
- Name Of Client ICI PAKISTAN
- Main Contractor QD Engineering
- Type Of Project MECHANICAL
- Brief Description Dismantling and Erection of C.I Pipe line
- Duration 2 Month
- Starting Date April, 2002
- Completion Date June, 2002
- Total Cost (PKR) 1.5 Million

PASTE PLANT, ISLAMABAD

- Name Of Project PASTE PLANT ISLAMABAD
- Name Of Client NATIONAL DEVELOPMENT COMPLEX
- Main Contractor METER PLANT PRODUCTS PVT . LTD .
- Type Of Project MECHANICAL, E & I
- Brief Description Fabrication, Erection & Installation of Equipment, steel structure .
Fabrication, Erection and Testing of Pipeline for interconnection of Equipments . Erection of Cable Trays, Laying and Termination of Electrical Cables .
Installation & termination of Control Instruments .
- Duration 3 Month
- Starting Date April, 2002
- Completion Date June, 2002
- Total Cost (PKR) 4.2 Million

PAK ARAB REFINERY, PROJECT

- Name Of Project PAK ARAB REFINERY KASBA GUJRAT MULTAN
- Name Of Client JGC CORPORAOTN, JAPAN
- Main Contractor DESCON ENGINEERING LIMITED
- Type Of Project MECHANICAL
- Brief Description Erection of Plotting Roof Tanks
Applicable code API -650 ,
Meter, capacity 44000 M3 and weight 725 Ton each .
- Duration 16 Month
- Starting Date November, 1998
- Completion Date February, 2000
- Total Cost (PKR) 27 Million

DEWAN SALMAN ACRYLIC PLANT, HATTAR

- Name of Project DEWAN SALMAN ACRYLIC PLANT (INDUSTRIAL STATE HATTAR)
- Name of Client Dewan Salma, Haripur (NWFP) Pakistan
- Main Contractor Q.D Engineering
- Type of Project MECHANICAL
- Brief Description Fabrication, Erection and Testing of all Utility piping, storage tanks, steel structure 1200 Tons.
Erection of Air Handling Units, A.C. Ducting, Chiller Plant and cooling Tower.
Erection of Turbine & Generator.s
Erection and commissioning of Water Treatment Plant
Insulation of Complete plant.
Sand Blasting and painting of all steel Structure and piping.
- Duration 19 Month
- Starting Date January, 1995
- Completion Date August, 1996
- Total Cost (PKR) 225 Million

ATTOCK OIL REFINERY, RAWALPINDI

- Name Of Project ATTOCK OIL RFFINEARY UP -GRADATION MORGAH, RAWALPINDI
- Name Of Client Attock Refinery Limited (ARL)
- Main Contractor DESCON ENGINEERING LIMITED
- Type Of Project MECHANICAL
- Brief Description Fabrication and Erection of Piping in Reformer Area . Hydro -testing of Piping
- Duration 12 Month
- Starting Date June, 1998
- Completion Date June, 1999
- Total Cost (PKR) 08 Million

ICI SODA ASH WORKS, KHEWRA

- Name Of Project ICI SODA ASH Works, Khewra
- Name Of Client ICI Pakistan
- Main Contractor DESCON ENGINEERING LIMITED
- Type Of Project MECHANICAL
- Brief Description Erection, Hydro -testing, insulation, Painting, Electrical & Instrumentation installation and commissioning of 40 TPD Boiler
- Duration 6 Month
- Starting Date May, 1997
- Completion Date November, 1997
- Total Cost (PKR) 3.5 Million

FAUJI CEMENT PLANT, FATEH JUNG

- Name Of Project FAUJI CEMENT PLANT, FATEHJUNG
- Name Of Client Fauji Foundation
- Main Contractor Ti-Tech Construction (Pvt.) Limited
- Type Of Project MECHANICAL
- Brief Description Fabrication & Erection of Steel Structure over 700 M. Tons up to a height of 263 feet for pre -heater tower . Fabrication & Erection of 02 Nos . Storage shed 135 meter long x 52 meter wide and over 750 M. Tons . Fabrication & Erection of Belt conveyor . Shairs, platforms, and other Miscellaneous structures .
- Duration 14 Month
- Starting Date June, 1997
- Completion Date August, 1998
- Total Cost (PKR) 40 Million

PAP PLANT NEARFATEHJANG

- Name Of Project PAP PLANT NEAR FATEHJANG
- Name Of Client National Development COMPLEX
- Main Contractor Q.D. Engineering
- Type Of Project MECHANICAL . E& I
- Brief Description Erection & installation of equipments .
Fabrication & Erection steel structure .
Fabrication, Erection & Testing of pipe Line for interconnection of equipments .
Erection of cable trays, laying and termination of electrical cables .
Installation & termination of control instruments .
Commissioning of Plant .
- Duration 6 Month
- Starting Date June, 1997
- Completion Date November, 1997
- Total Cost (PKR) 3.5 Million

HEAVY MECHANICAL COMPLEX TAXILA

- Name Of Project HEAVY MECHANICAL COMPLEX TAXILA
- Name Of Client H.M.C
- Main Contractor Q.D . Engineering
- Type Of Project MECHANICAL
- Brief Description Sand blasting and Painting of Heavy steel structure .
- Duration 3 Month
- Starting Date March, 2001
- Completion Date June, 2001
- Total Cost (PKR) 2.2 Million

DEWAN SALMAN POLYESTER , HATTAR

- Name Of Project Dewan Salman Polyester, Hattar
- Name Of Client Dewan Salma, Haripur (NWFP) Pakistan
- Main Contractor Q.D . Engineering
- Type Of Project EPC
- Brief Description Manufacturing and Erection of H.T . Boiler on Turnkey basis
- Duration 2 Month
- Starting Date March, 1998
- Completion Date May, 1998
- Total Cost (PKR) 1.5 Million

ICI POLYESTER PLANT, SHEIKHUPURA

- Name Of Project ICI POLYESTER PLANT, Sheikhpura
- Name Of Client ICI Pakistan
- Main Contractor Descon Engineering Limited
- Type Of Project Mechanical
- Brief Description Fabrication, Erection & Testing of M.S . & S .S . Storage Tanks .
Fabrication, Erection & Testing of Chip storage of SUS 304 Material (66 Tons)
Fabrication, Erection & Testing of Chip storage silos of SUS 304 L Material (42 tons)
Fabrication & Erection of Steel Structure
Fabrication, Erection & Testing of CS Piping X-Ray, Non X-Ray)
Fabrication, Erection and Testing of Piping SUS 304 L.
- Duration 14 Month
- Starting Date September, 1995
- Completion Date October, 1996
- Total Cost (PKR) 5.2 Million

ICI POLYESTER PLANT, SHEIKHUPURA

- Name Of Project ICI POLYESTER PLANT, Sheikhpura
- Name Of Client ICI Pakistan
- Main Contractor ICI Pakistan
- Type Of Project Mechanical
- Brief Description Erection & Commissioning of water Treatment Plant.
Fabrication & Erection of Process piping, nitrogen Plant piping, fire fighting system and instrumentation .
- Duration 6Month
- Starting Date March, 2001
- Completion Date September, 2001
- Total Cost (PKR) 06 Million

KHAUR OIL & GAS BATTERY, PAKISTAN OILFIELD, LTD

- Name Of Project Khaur Oil & Gas Battery, Pakistan Oilfield, Limited
- Name Of Client PAKISTAN OIL FIELD
- Main Contractor PRESSON CANADA
- Type Of Project MECHANICAL, E & 1
- Brief Description Fabrication & Erection of Pipe Racks
Fabrication & Assembly of field piping spools
Re -assembly of interconnecting piping shipped from Canada .
Assembly of Cable Trays . Hydro -testing of field fabricated piping
Layout of E& 1 cables from modules to MCC Building and terminate same in MCC
Cleaning, Painting and insulation of field erected equipment
Participate in commissioning and start -up .
Clean up the site .
- Duration 2 Month
- Starting Date September, 1995
- Completion Date November, 1995
- Total Cost (PKR) 3.5 Million

DEWAN SALMAN PLOYESTER UNITI #2 HATTAR

- Name Of Project Dewan salman polyester unit #.2
(Industrial Estate Hattar)
- Name Of Client Dewan Salman, Haripur (NWFP) Pakistan
- Main Contractor Mazher Engineering Corporation
- Type Of Project MECHANICAL
- Brief Description Fabrication / Erection of Steel structure,
Storage tanks, utility piping, nitrogen plant fire fighting
System, Air Handling Unit and water treatment plant .
Clean up the site .
- Duration 18 Month
- Starting Date March, 1993
- Completion Date August, 1994
- Total Cost (PKR) 21.8 Million

THERMAL POWER STATION, UNIT 05 & 06 MUZAFARGARH

- Name Of Project THERMAL POWER STATION, UNIT 05 & 06
MUZAFARGARH
- Name Of Client WAPDA
- Main Contractor CMEC, CHINA
- Type Of Project MECHANICAL
- Brief Description Fabrication & Erection of Cooling water
Piping 1130 Tons (2200 mm dia)
Fabrication and Erection of 08 Nos
Cooling Water storage tanks .
- Duration 14 Month
- Starting Date September, 1993
- Completion Date October, 1994
- Total Cost (PKR) 4.7 Million

DEWAN SALMAN PLOYESTER PLANT #.1 HATTAR

- Name Of Project Dewan Salman Polyester Plant #.01
Industrial Estate Hattar
- Name Of Client Dewan Salman, Haripur (NWFP) Pakistan
- Main Contractor Mazher Engineering Corporation
- Type Of Project MECHANICAL
- Brief Description Fabrication of Utility piping, Air handling unit
Boiler 70 Tons, Gas Turbine 7.2 MW.
Diesel Power Generator, Cooling Tower and Chillers .
- Duration 14 Month
- Starting Date June, 1990
- Completion Date September, 1991
- Total Cost (PKR) 8.0 Million

Mechanical Jobs at FFC Goth Machi, Sadiqabad

- | | |
|---|---|
| 1 | Funfair F C-GM 2015 |
| 2 | Constr. of Room for RO Plant at DSP Site. |
| 3 | Replacement of Fence with S Railing |

Scaffolding Jobs at FFC Goth Machi, Sadiqabad

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|---|--|
| 1 | Scaffolding Services at Plant & Township |
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Manpower Jobs at FFC Goth Machi, Sadiqabad

Manpower Jobs T/A 2015 P-II FFC Goth Machi, Sadiqabad

Mechanical Jobs T/A 2015 P-II FFC-GM

- | | |
|---|--|
| 1 | Cutting & Welding of Amm Coverter R-4501 P-II during TA 2015 |
| 2 | Repair damaged cold insulation at Amm P-II during TA 2015 |

Mechanical Jobs Mari Petroleum Ltd.

- | | |
|---|---|
| 1 | Fabrication and erection of Reflux Coil |
|---|---|

Mechanical Jobs at FFL

1	Construction of Fence Wall Around Motor Pool
2	Constr of Fence Wall at north/east side NP Bulk Store incl Gate
3	Constr of Car Parking Shed for Marketing Office at KLP Gate
4	Fab. & install of entry/exit board at NP plant (printed laminated name cards)
5	Constr of Fence Wall from gate # 5 to existing B/wall of CNCEC Camp
6	Cleaning HP Jetting & Hydro testing of 07 Heat Exchangers of NP Plant.
7	Constr of Fence Wall in Main Warehouse
8	Rolling of Dryer LDU Disintergrater Rings as per Dwg.
9	Bolt Replacement of CAN plant steel structure
10	Execution of underground piping for dewatering of EP#05
11	Execution of Lump Recycling at NP Unit
12	Execution of Larger Repulper Tank RVDF-B at NP Plant
13	Drilling of Holes 6mm dia on PVC Pipe
14	Constr. of Fence Wall for Scarp Yard
15	Constr. of Fence Wall Open Area in main Warehouse
16	Fabrication Welding Bucket of F-3404 at CAN Plant
17	Chain Repl. of Hot Product Bucket Elevation (P-3404) CAN Plant
18	Execution of Larger Repulper Tank RVDF-B at NP Plant
19	Execution of Lump Recycling at NP Unit
20	Repair, Fabrication & Installation of MTM Cyclones
21	Diesel Generator Required on Rental Basis For O&U Plant during TA-17
22	Mechanical Execution of an transfer line re-routing at CAN Plant
23	Replace of Buckets of P-3404 Bucket Elevator at CAN Plant
24	SS Lining of CS Pit CAN Plant
25	Mechanical Execution of De-Chlorination System at New and Old RO Plant
26	Replacement of Decenter Sludge Screw Conveyors

CONSTRUCTION CAPABILITIES

Q.D.Engineering is a Pakistan based Company, Which can undertake the construction under full scope of the project. Complete civil/structural. Mechanical, electrical & instrumentation installation are the major areas of construction . It is possible because Q.D Engineering has experienced project management teams who can work dedicatedly up to the extent of clients satisfaction, timely completion along with safety and quality standards .



Construction

Civil Construction

Mechanical Erection

Electrical & Instrumentation Installation

CIVIL CONSTRUCTION

Q.D. Engineering have a capability experience and equipment to undertake the execution of medium to large civil construction projects . A complete range of expertise which covers the following areas.

Civil Construction

Earthworks
 Foundations
 Structures / Buildings
 Services
 Warehouse & Workshops
 Infrastructure

Earthworks

Site Preparation
 Soil Improvement
 Embankment Construction
 Access and Right of way (ROW) Roads

Foundations

For Static equipment
 For rotary equipment
 Rafts
 Riling

Structures / Buildings

Steel Frame structures
 R.C.C Frame Structure
 R.C.C. Shell roofs
 Masonry Structures

Services

- ✓ Underground network for utilities
- ✓ Drains / Channels
- ✓ Culverts / bridges
- ✓ Reservoirs

Warehouses & workshops

- ✓ Steel Structures (Trusses & columns)
- ✓ Sheet roofing and side cladding
- ✓ Large span sheds

Infrastructure

- ✓ Runways
- ✓ Water supply channels
- ✓ Bridge

MECHANICAL ERECTION

Q.D. Engineering provides mechanical erection services for grass-root projects as well as for expansion / revamping of existing facilities. It has considerable experience in the erection of equipment (including heavy lifts) piping / pipe racks steel structures, tanks, painting insulation, NDT and commissioning .

The range of services QDE covers are:

- ✓ Complete plant erection, including inland transportation, start up and commissioning.
- ✓ Erection of power plant boilers including commissioning.
- ✓ Fabrication and erection of steel structures.
- ✓ Fabrication and erection of piping / pipe racks.
- ✓ Fabrication and erection of tanks.
- ✓ Rigging / heavy lifts.
- ✓ Fabrication and erection of water supply system.
- ✓ Cross country pipeline

The range of services QDE covers also are:

QD owns a fleet of mobile cranes and other equipment required to execute large projects simultaneously. The company periodically invests in machinery equipment. To increase and up-date is inventory for facilitating execution teams to ensure timely completion of the projects.

M/s Kohistan Goods Forwarding agency (Regd.) equipped with wide range of cranes (Capacity-wise) and trailers and have well known name in providing any quantity / capacity of crane and trailer services for transportation, loading / unloading & Erection activities of huge projects is now our consortium partner which as further strengthened and geared up our capacity in the field of engineering, especially for cement, fiber, chemical. Oil gas and power generation plants.

ELECTRICAL & INSTRUMENTATION INSTALLATION

QD also provides services for erection, testing and commissioning of power, electrical & instrumentation jobs.

Electrical Services includes Erection, testing and commissioning of:

- ✓ HV Power transformers
- ✓ HV Switchgear and switchyard equipment & HV Power Cables
- ✓ HV Transmission and distribution lines
- ✓ Turbo generators and diesel generating sets.
- ✓ Emergency power generators
- ✓ Telecommunication systems
- ✓ Fire detection and alarm systems
- ✓ Motor control centers
- ✓ Grounding systems
- ✓ External & internal lighting
- ✓ Distribution network
- ✓ Package units
- ✓ Motors & generators

INSTRUMENTATION

This area includes erection, testing and commissioning of control systems and field mounted pneumatic systems. Expertise is available for installation of:

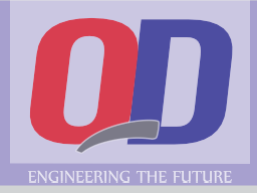
ELECTRONIC INSTRUMENTS:

- ✓ Control Panels and boards
- ✓ Distributed control systems
- ✓ In-line instruments
- ✓ Microprocessor based instruments
- ✓ Cabling and wiring
- ✓ Pneumatic tubing
- ✓ Cable tray work

LIST OF KEY PERSONNEL

S.No.	Name	Designation	Year of experience
1	Kaiwan Danish	Managing Director	30
2	Sohail Tipu	Director Operation/technical	25
3	Shafiq Aslam	Director Finance	15
4	Karamat Ali	Head Projects	45
5	Iqbal Zafar	Project Engineer	08
6	Waiz Mujeeb	Project Engineer	03
7	Rai Asadullah	P & S Engineer	03
8	Riaz ul Hassan	Head Manufacturing	18
9	Ijaz Rafiq	Head Commercial	15
10	Muhamamd Saqib	Finance Officer	05
11	Ali zubair Khan	Store Officer	10
12	S. Murtaza Hussain	Manager IT	10
13	M. Tahir Arshad	Incharge Mechanical	25
14	Shahid Latif	Incharge Civil	32
15	Ahmad Hassan	Incahrge E & I	23
16	M. Sagheer Akhtar	Mechanical Superintendent	23
17	Mumtaz Akhtar Khan	Incharge HSE	25
18	Mazhar Hussain	Incharge HRD	10
19	Ghulam Mustafa	Project Manager	6
20	M. Aqib Anwar	Accounts Executive	3

Resources...



ENGINEERING THE FUTURE...

MAN POWER DISTRIBUTION

S.No.	DESCRIPTION	Nos.	S.No.	DESCRIPTION	Nos.
1	Project Manager	01	14	Purchase Officer	01
2	Construction Manager	02	15	Store Officer	02
3	Construction Superintendent	02	16	Store Keeper	02
4	Site Engineers	04	17	Account Clerk	04
5	Associate Engineers	06	18	Fabricator	06
6	Planning Engineer	01	19	Fitter	01
7	Foreman	08	20	Grinder Man	08
8	IT Manager	01	21	Brush -man	01
9	Safety Inspection	02	22	Carpenter	02
10	Quality Control Supervisor	01	23	Mason	01
11	Quality Control Inspector	02	24	Riggers	02
12	Admin Manager	01	25	Welder Coded	01
13	Account Officer	01	26	Welder non -coded	01
S.No.	DESCRIPTION	Nos.			
27	Electrician – Power	01			
28	Electrician – auto	02			
29	Mechanic	02			
30	Instrument Technician	04			
31	Crane Operator	06			
32	Sand Blaster	01			
33	Painters	08			
34	Insulators	01			
35	Time Keeper	02			
36	Plumber	01			
37	Mess Staff	02			
38	Driver	01			
27	Account Officer	01			

POWER GENERATION

S.No.	DESCRIPTION	Nos.
1	Diesel Generator 100 KVA, 415 Volt	02 No
2	Diesel Generator 30 KVA, 415 Volt	02 No
3	Diesel Generator 10 KVA, 415 Volt	02 No
4	Diesel Generator 4.5 KVA, 220 Volt	10 No
5	Petrol Generator 4 KVA, 2 KVA, 220 Volt	04 No

OFFICE STORE AND CAMPING FACILITES

S.No.	DESCRIPTION	Nos.
1	Furnished mobile office container 20x8x8	04 Nos.
2	Furnished mobile office container 40x8x8	03 Nos.
3	Furnished Mobile Store container 20x8x8	03 Nos.
4	Furnished Mobile residential container 40x8x8	04 Nos.
5	Computer Pentium -III with printers	24 Nos.
6	Store shed 72Lx32Wx16H & 36Lx18Wx14H	02 Each
7	Mobile residential arrangement with kitchen facilities for 600 workers	01 Set

WELDING EQUIPMENT WITH ACCESSORIES

S.No.	DESCRIPTION	Nos.
1	Electric Welding rectifier upto 400 Amp.	10
2	Electric welding Rectifier Upto 600 Amp.	6
3	Electric Welding Generator 600 Amp. (Rotary)	4
4	Diesel Welding Generator 600 amp. With electric supply 220 Volt	6
5	Diesel welding generator 400 Amp. With electric supply 220 volt	6
6	Diesel welding generator upto 320 Amp. With electric supply 220 volt	4
7	Argon welding machine (AC, DC) 250 Amps.	6
8	Electric welding transformer 400-600 Amp.	10
9	Electric spot welding Machine	2
10	Electrode Oven For electrode baking	4
11	Electrode desiccators	50

WELDING EQUIPMENT WITH ACCESSORIES

S.No.	DESCRIPTION	Nos.
1	Air Plasma Arc Cutting Machine upto 25 mm	06 No
2	Electric Pipe cutting machine up to 150 mm	02 No
3	Auto gas plate cutting machine up to 100mm	08 No
4	Auto gas pipe cutting machine up to 1000 mm	03 No
5	Pedestal drill machine	02 No
6	Radial Drill machine	02 No
7	Magnet drill machine	03 No
8	Power cutter machine 12", 14" & 16"	04 No
9	Pipe cutter up to 100mm	04 No
10	Angle Grinder 7" & 9"	130 No
11	Body Grinder 4" & 5"	80 No
12	Pencil Grinder	25 No
13	Straight Grinder	04 No
14	Gas Cutting Set complete	25 No

BENDING AND ROLLING EQUIPMENT

S.No.	DESCRIPTION	Nos.
1	Pipe Bending Machine up to 100mm	01 No
2	Plate roller machine 2.5 M x 15 mm	01 No
3	Pipe roller machine 2M x 25mm	01 No
4	Insulation sheet rolling machine	04 No
5	Insulation sheet bending & cutting machine	02 No

SAND BLASTING AND PAINTING EQUIPMENT

S.No.	DESCRIPTION	Nos.
1	Sand blasting set with accessories.	03 No
2	Wet Blast injector unit	01 No
3	Electric Compressor 50, 200, 600 CFM	04 No
4	Diesel Compressor 400 CFM	02 No
5	Air Less Painting Unit	02 No

LIFTING EQUIPMENT

S.No.	DESCRIPTION	Nos.
1	Hydraulic Crane (COLES) Boom Length 90ft 22 Ton	01 No
2	Hydraulic Crane (Pettibom) Boom Length 70ft 18 Ton	01 No
3	Hydraulic Crane (Self Loading Truck Mounted Capacity up to 6 ton)	01 No
4	Tractor Trolley	03 No
5	Hydraulic Jack 50, 75 Tons	02 No
6	Hydraulic & Mechanical Jack up to 25 Tons	10 No
7	Chain pulley block 2,3,5 ton (Manual)	36 No
8	Chain Pulley block 10 Ton (Manual)	80 No
9	Electric chain Hoist 1,3 & 5 Ton	06 No
10	Wire jack 3,5 Ton	05 No
11	Turn Buckle	04 No
12	Wire rope	18 No
13	Derrick 100ft 12"	4000 ft
14	Lifting slings different size	01 No
15	Shackles different capacity.	01 No

TESTING EQUIPMENT WITH ACCESSORIES

S.No.	DESCRIPTION	Nos.
1	Pneumatic Hydro Test up to 6600 PSI	01 No
2	Electric Hydro Test Pump 1400 & 4350 PSI	08 No
3	Electric Feed pump up to 2000 PSI	02 No
4	Vacuum box with compressor (Unit)	03 No

ELECTRICAL TESTING EQUIPMENT WITH ACCESSOIRES

S.No.	DESCRIPTION	Nos.
1	Hi -Pot Testing 50000 volts	01 No
2	Current injection Set	01 No

VEHICLE

S.No.	DESCRIPTION	Nos.
1	Rocky Jeep 4 x 4	01 No
2	Mazda Double Cabin 4 x 2	02 No
3	Double Cain 4 x 4	03 No
4	Car	02 No
5	Motor Bike 100cc	06 No

Quality Policy

- ✓ It is our aim to be a quality organization in every respect.
- ✓ We are committed to fulfil customer expectations and to ensure our competitiveness by continuously improving our products and processes, earning mutual respect and confidence.
- ✓ Quality is built into our deliverables, our internal operations and into our interactions with the environment.
- ✓ Our employees are encouraged by coaching and training to be actively involved in our processes to reach the goals.
- ✓ Quality in our daily work ensures that our performance is up to standard and adequate for the recipient. We strive to “get it right the first time”.
- ✓ Quantum dynamics is managed within one comprehensive management System.
- ✓ Quality objectives are defined, audited, reviewed and followed up on a permanent basis.

Loss Prevention Policy

Quantum dynamics believes that responsible health and safety management and leading health and safety performance is integral to an effective and successful company. To enable health and safety objectives to be achieved, each quantum dynamics operation and facility commits to:



- ✓ Comply with all applicable legal requirements and other commitments to which we subscribe, as a minimum standard;
- ✓ Implement and maintain Integrated Management System (IMS) and Technical Standards to mitigate the risk of harm or loss to people and property;
- ✓ Identify health and safety hazards, risks and opportunities for improvement to set Challenging standards that are consistent with the values and expectations of employees and the broader community;
- ✓ Adhere to Quantum dynamics Safety Principles, which includes health and safety leadership in all our people;
- ✓ Integrate health and safety into all aspects of the company's activities, including Exploration, project development, mine operation, mine expansion, acquisitions, divestments and closures;
- ✓ Deliver on measurable objectives and targets that will drive the continuous improvement necessary to pursue an injury and illness free workplace;

Loss Prevention Policy

- ✓ Select appropriately qualified and competent people, provide training and set standards to enable employees, contractors and suppliers to work in a safe and responsible manner and to ensure they are able to manage their activities in accordance with this policy ;
- ✓ Foster recognition of safe behavior and hold workers accountable for at-risk behavior ;
- ✓ Ensure the open reporting of all health and safety accidents/incidents with the intention of implementing controls to eliminate reoccurrence ;
- ✓ Conduct regular inspection, audit and assessment programs and embrace recommendations for improvement with prompt decision making and follow up actions ;
- ✓ Demonstrate commitment to positive behavior in pursuit of superior health, safety and loss prevention performance ;
- ✓ Consult employees and stakeholders on aspirations and concerns for health and safety during the development, operation and closure of mining operations and facilities.

WE WORK WITH THESE POLICIES

Safety Policy

Quality Policy

Environment Policy

Human Resource Policy

Health & Safety Management System

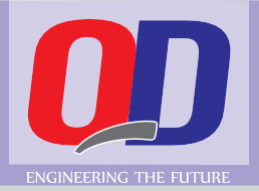
Safe Roads Policy

Smoking Policy

Child Labor Policy

Alcohol Drug Policy

Our Clients...



Below illustrates a number of the clients which QD (Quantum Dynamics) has undertaken projects for over the last five years:



QUANTUM DYNAMICS

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TEL Director Technical: +92 307 2741001

TEL Director Finance: +92 300 6796379

Email: info@qdpl.com.pk

www.qdpl.com.pk