



**Company  
Profile**

**FIC Engineers**

## Introduction

We are a full-service engineering contractor committed to providing solutions for the life of your facility. Our innovative thinkers and expert collaborators combine over decades of expertise to help your facility evolve throughout generations.

The journey began not too long ago. We had a vision to embark on a journey to create Pakistan's leading engineering enterprise.

## Mission

Our main goal is to give our partners an incentive through the provisioning of excellent building administrations. We have faith in the strengthening of the team in building a perpetual information base. We are focused on our workforce's security and the advancement of the organizations we work with while looking for the prosperity of society and thinking about the earth.

## Vision

To be known as the leading Engineering company for its quality of work, innovation, and creative solutions.

## Values

- Duty to the wellbeing of individuals, ecological consideration, and network improvement.
- HR advancement and information building
- The board straightforwardness and demonstrable skill
- Accentuation on cycles and consistency



## **Our Services**

We have done more than 150+ successful projects.

### **Oil & Gas/Industrial Systems**

The Engineering Design Services include basic and detailed engineering activities, design calculations, engineering drawings, data sheets, requisitions, bid evaluation and vendor document review. FIC has the resources, experience, and ability to undertake following activities.

### **Architectural/Building Services**

We provide the most elegant and refreshing ambience to your personal or professional space. With the classic touch on every service, we deliver non compromising quality and appeal to undertaken projects. Our Interior Decor works are always market-competitive.

### **Value Added Services**

We offer the full range of power system studies and engineering services to Utilities, IPP'S & Industries-both for new installations and to improve the efficiency and performance of existing infrastructures.

## Oil & Gas / Industrial Systems

The Engineering Design Services include basic and detailed engineering activities, design calculations, engineering drawings, data sheets, requisitions, bid evaluation and vendor document review. MIM has the resources, experience, and ability to undertake following activities. They are facilitated by sophisticated software and engineering experience to ensure correctness.

### Civil

FIC has a wealth of experience in structural analysis and design ensures versatility and efficiency in the use of steel, concrete, masonry, and composite materials. Our design teams use software's as well as practical approach to ensure that engineering specifications result in ease of construction and cost control.

- Site development layouts, Trenches, Tunnels, Roads, Drains, Retaining structures.
- Site Development and Grading Plan
- Roads & Paving Works
- Storm & Sanitary sewers and disposal systems



### Electrical & Instrumentation

FIC Electrical & Instrumentation Design Services are targeted towards projects where industrial firms are searching for ideal system designs, that are best fit for their projects.

- Process Control System, Emergency Shutdown System Design
- Modulating Systems, PLC, SCADA, FGS System Design
- Control Philosophy and Control Narrative
- Field Instrumentation Design



## Mechanical

Static equipment:

- Pressure Vessels including drums, columns & reactors
- Heat Exchangers
- Storage Tanks
- Bins, Silos, Hoppers
- Vent Stacks
- Ducts & Chutes
- Platform & Ladders and Special Pipe Supports (Attached with Equipment)
- Technical Specifications for Static Equipment Rotary equipment
- Pumps



## Piping

FIC provides piping engineering services to support oil and gas facilities, pipelines, refineries, renewable fuel, and petrochemical plants. Our services include all the activities required to develop the different phases associated to plant construction, and our team of professional piping engineers design various systems of piping with precision and care to ensure desired functions are met.

- Plot Plan
- Conceptual Layouts
- Project Specification & Procedures
- Data Sheets & Material Requisitions
- Material Take Off
- Bill of Quantities
- Piping Plans
- Isometrics
- Line Index
- Pipe Supports
- Vendor Document Review
- Piping Material Specification

## Process

Our highly experienced process engineer's team supports for the project development, proper selection of equipment and material, optimizing chemical processes, and providing technical support to oil & gas production facilities, refineries, and chemical plants.

- Concept Selection / Feasibility Study
- FEED Preparation & Verification
- Process Simulation
- Heat & Material Balance
- Process Flow Diagrams
- Piping & Instrumentation Diagrams



## HSE

The services cover both the risk management and loss prevention engineering both at basic and detail engineering phase.

- HSE Plans, Philosophies
- Constructability Review
- Project HSE Reviews (PHSER)
- Hazards & Effects Register
- Specifications of Fire Fighting Systems
- Fire Zoning
- Fire Water/Foam Demand Calculation
- Fire Water/Foam Systems Sizing & Hydraulics (Ring Main, Spray System)
- Fire Water Pumps, Tanks, Deluge Valves Design
- Fire & Gas Detection System
- Hazardous Area Classification
- Safety Signs
- Passive Fire Protection (Fire Proofing)
- Heat & Smoke Detection Systems
- Mobile Fire Fighting Equipment (Fire Extinguishers, Fire Tenders etc.)

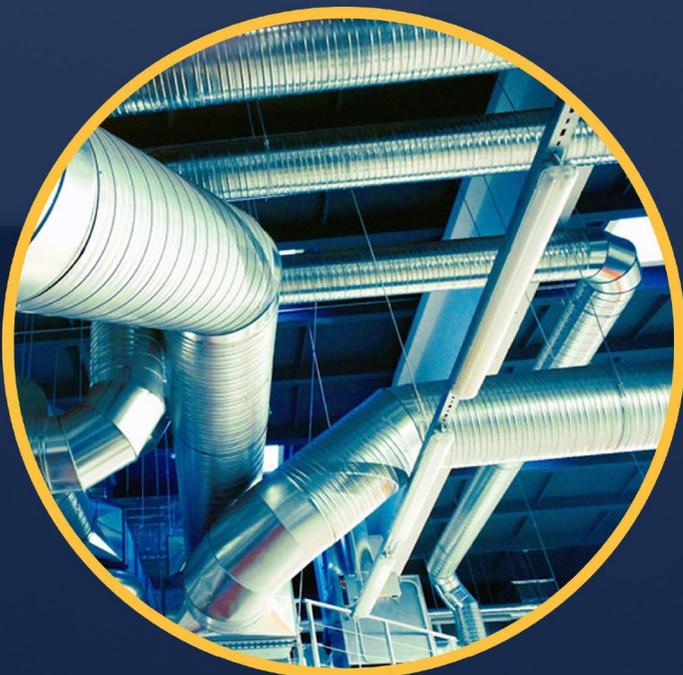
## Architectural

We provide the most elegant and refreshing ambience to your personal or professional space. With the classic touch on every service, we deliver non compromising quality and appeal to undertaken projects. Our Interior Decor works are always market-competitive.

- Professional Team of Designers
- Unique and Creative Designs
- Affordable Prices
- Trustworthy
- Uncountable Satisfied Customers

Our perfected artisans and designers contribute the best from the industry to meet all interior decoration needs of the customers.

- Corporate Offices
- Showrooms
- Hotels & Restaurants
- Residences/ Home



## HVAC

- Design of HVAC system with heat load calculations, equipment selection, etc.
- Preparing of concept drawing, detailed drawings, Authority related documents, All as per ASHRAE standard 62.1.2013 and Local Authorities (KDA, LDA & CDA) requirements & guidelines.
- Advise Clients/ Architects/ Interior Designers the best energy efficient design to suit their requirements.
- Design of Fire & Safety Ventilation system as per Dubai civil defense authority requirements and international standards of codes & practices.
- Preparing project specifications.

## Fire Safety System

- Complete design of Fire Fighting System as per NFPA and local civil defense regulations.
- Estimation of water quantity for Fire Fighting system.
- Fire Pump calculation.
- Fire pump room details.
- Fire Alarm System
- Complete design of Fire Alarm System as per NFPA and local civil defense regulations.
- Central Battery Emergency System
- Complete design of Central Battery Emergency System as per NFPA and local



## Electrical System

### • Lighting System

Lighting systems are based on Architectural design & lux levels to match the IEC standards. All kind of Decorative lights & Functional Lights are designed by our team of engineers.

### • Power System

Power distribution system will be designed in line with local authority regulations & building requirements. Worked in all major buildings in Karachi, Lahore & Islamabad.

# Value Added Service



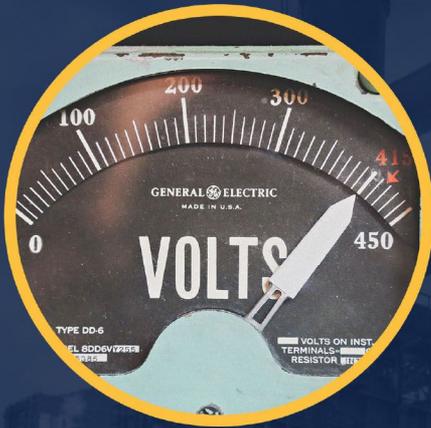
**Air Balancing**



**Asset Inspection**



**Calibration  
of Instruments**



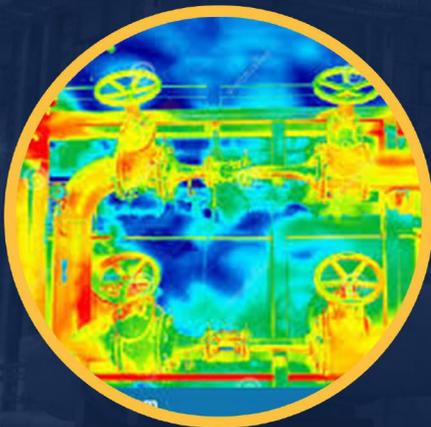
**Energy Audit**



**Load Testing**



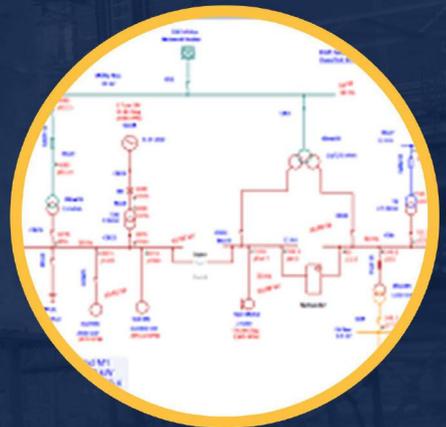
**Pressure Testing**



**Thermography**



**Safety Audit**



**System Studies**

# Our Clients





# FIC Engineers

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