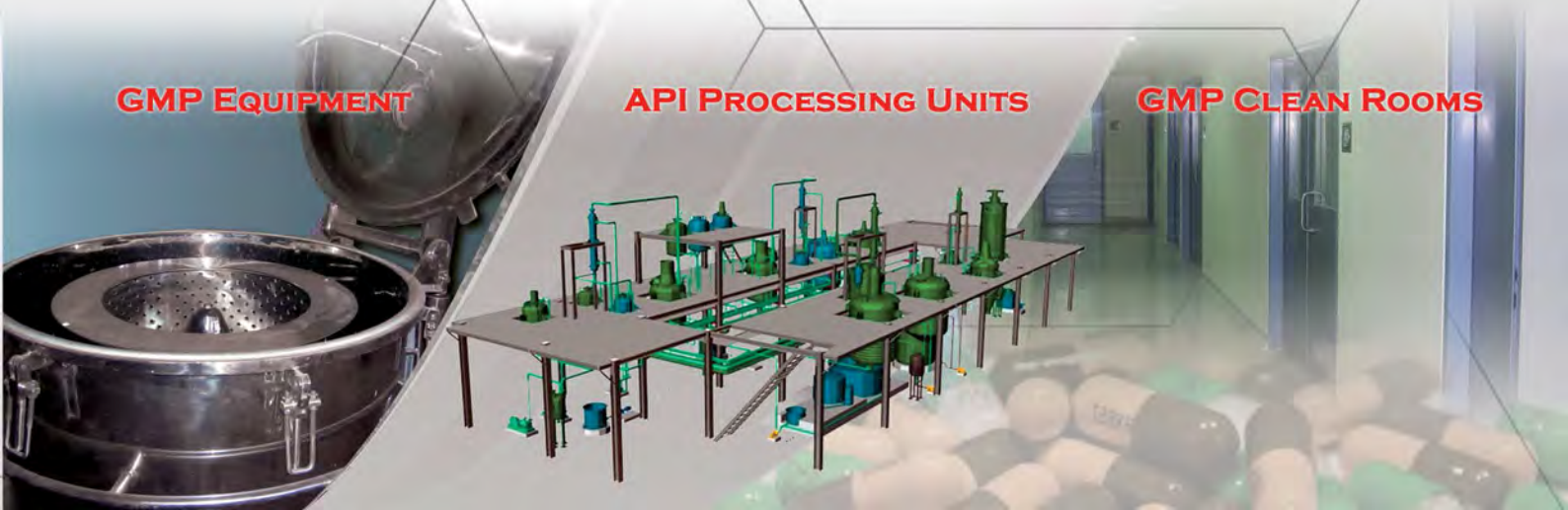
IndustrialPioneersFarayand Co.

Turn - Key Solution For Pharmaceutical Plants



About us

Industrial Pioneers Farayand Company's activities have been started based on design; manufacturing and industries operation consist of chemical industries, petroleum, mineral , pharmaceutical and food since 1990.

Native industrial development and achieved manufacturing machinery with the special alloy create the commitment for our company to present technology transfer and support engineering section and sustainable growths set up as the main agenda .

Upon the sincerity in this profession and following principals engineering and modernized standards lead to make the customers satisfied which would be the most effective factor in our company progress. Quality products and company services made us to be available in the current projects of the country and conducting key projects, and projects reports will be created all investors as side contractor to be secure during the fulfillment of the project. Implemented project will support the company reliability.

Growing the base science and engineering in the world, it carries us to do the transferring, technology and engineering design from developed countries, these make our customer have the better technology. In this regard this company promoted engineering potentiality in order to transfer the basic and details engineering have done by Iranian engineers. Meanwhile the achieved native technologies capability gives the opportunity to fulfill the very high expensive projects with reasonable prices which has been done by developed countries technology.

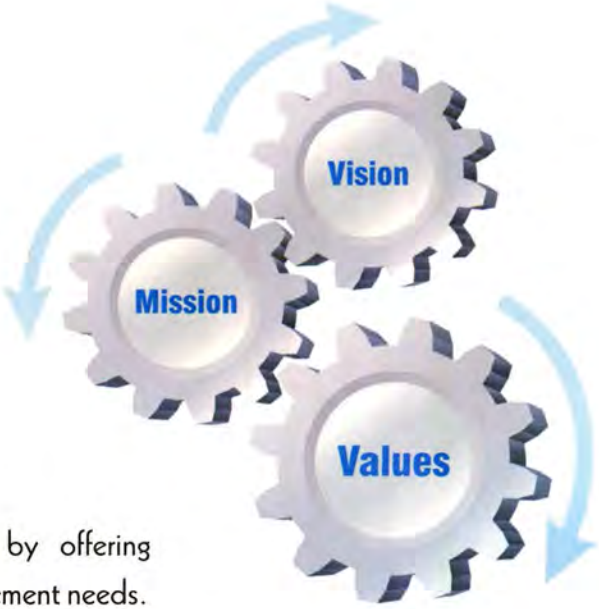
To achieve total customer satisfaction we will continue to meet the challenges of the future with confidence and enthusiasm.

Our Vision

To assist our clients in their strategic business planning, develop & align the engineering & technology capabilities, thus helping them meet their business goals efficiently.

Mission

- To exceed our client expectations, to deliver highest quality, cost effective services within predefined timeline.

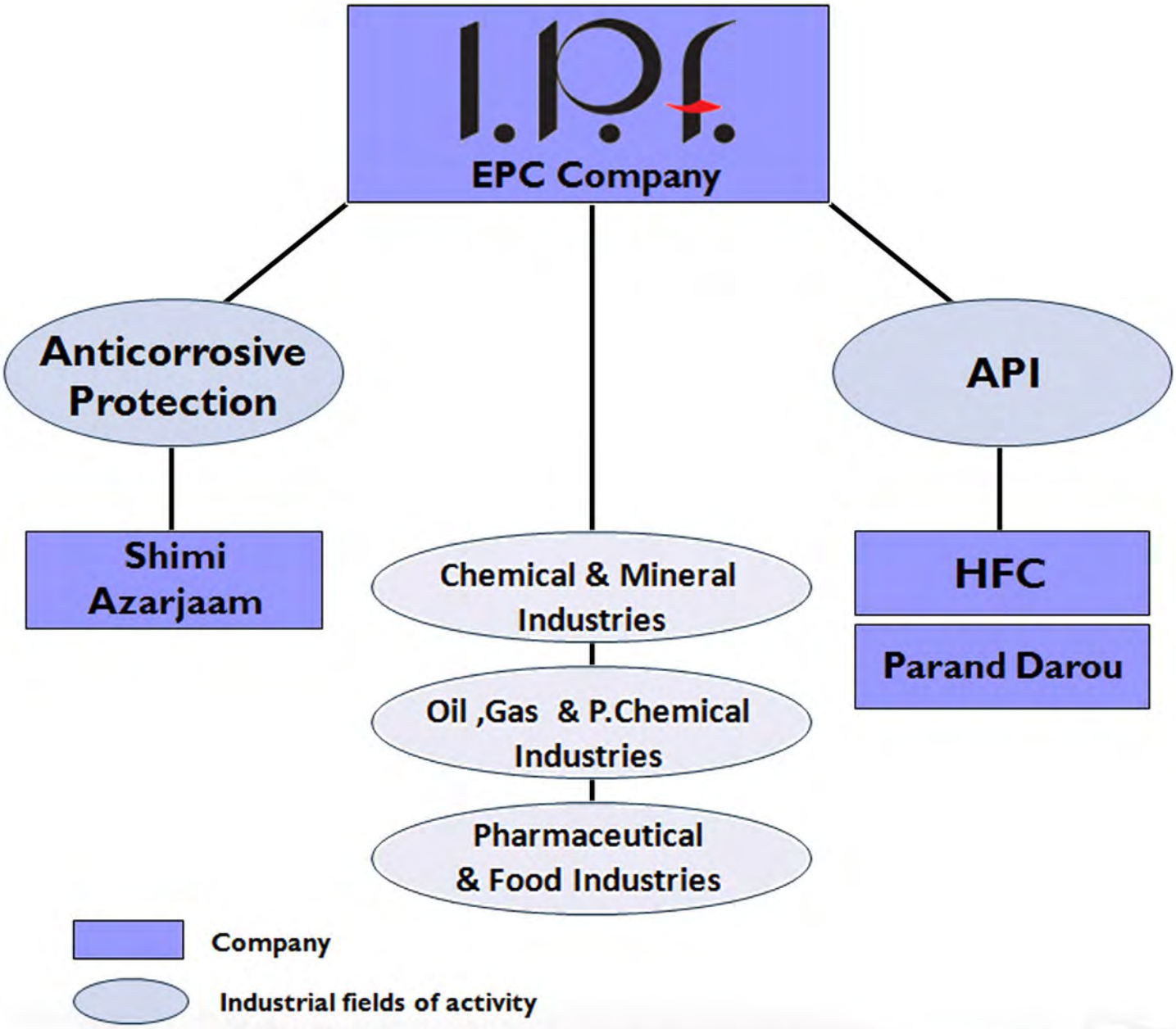


Values

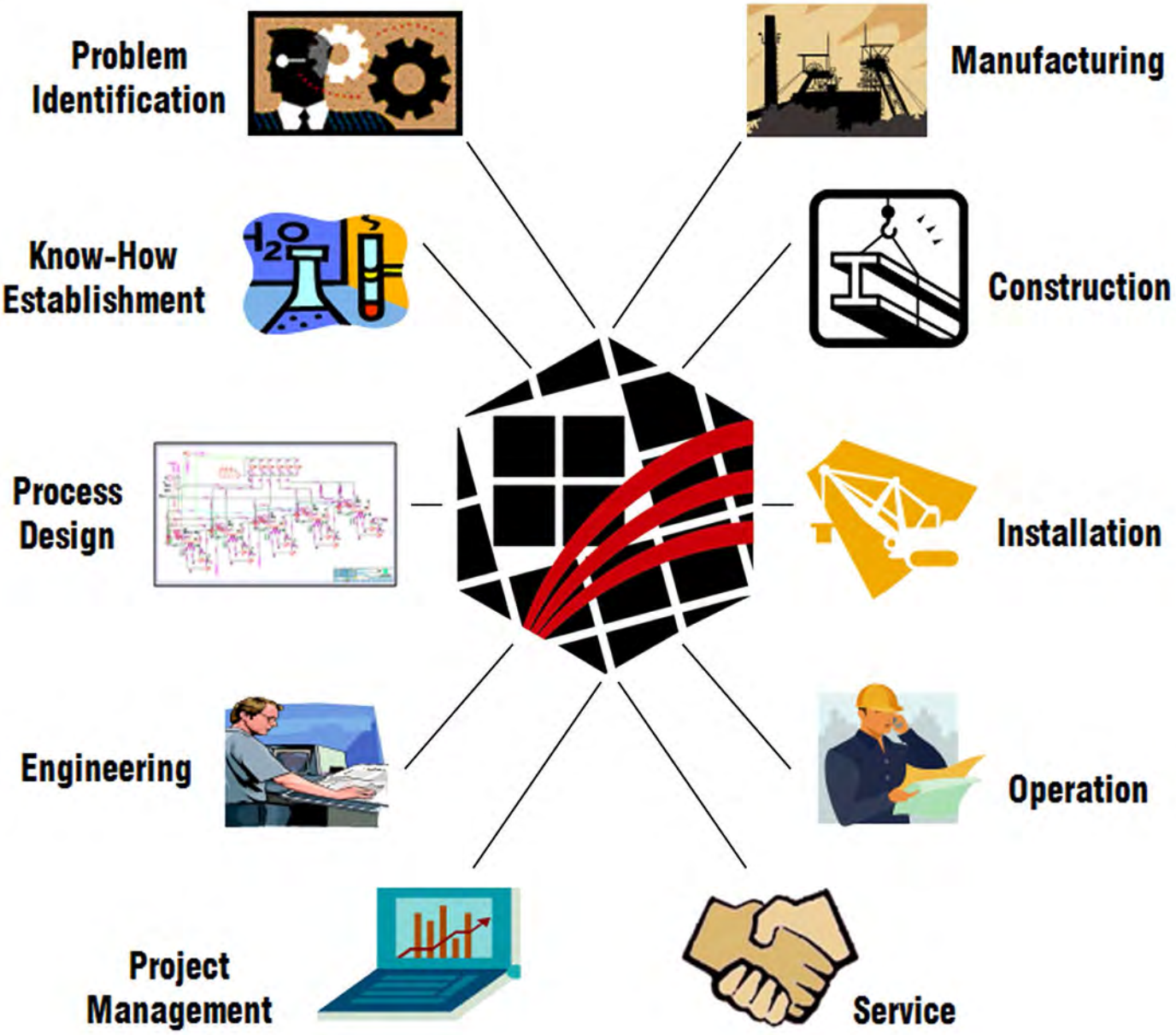
- IPF transforms pharmaceutical & API companies by offering consultation on engineering, designing and project management needs.

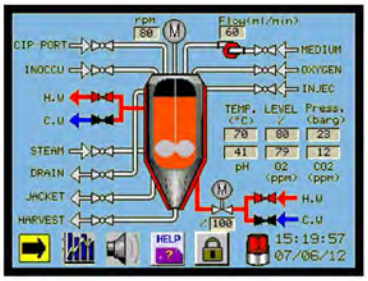
Company Introduction

Mother Company Introduction



Company Capabilities



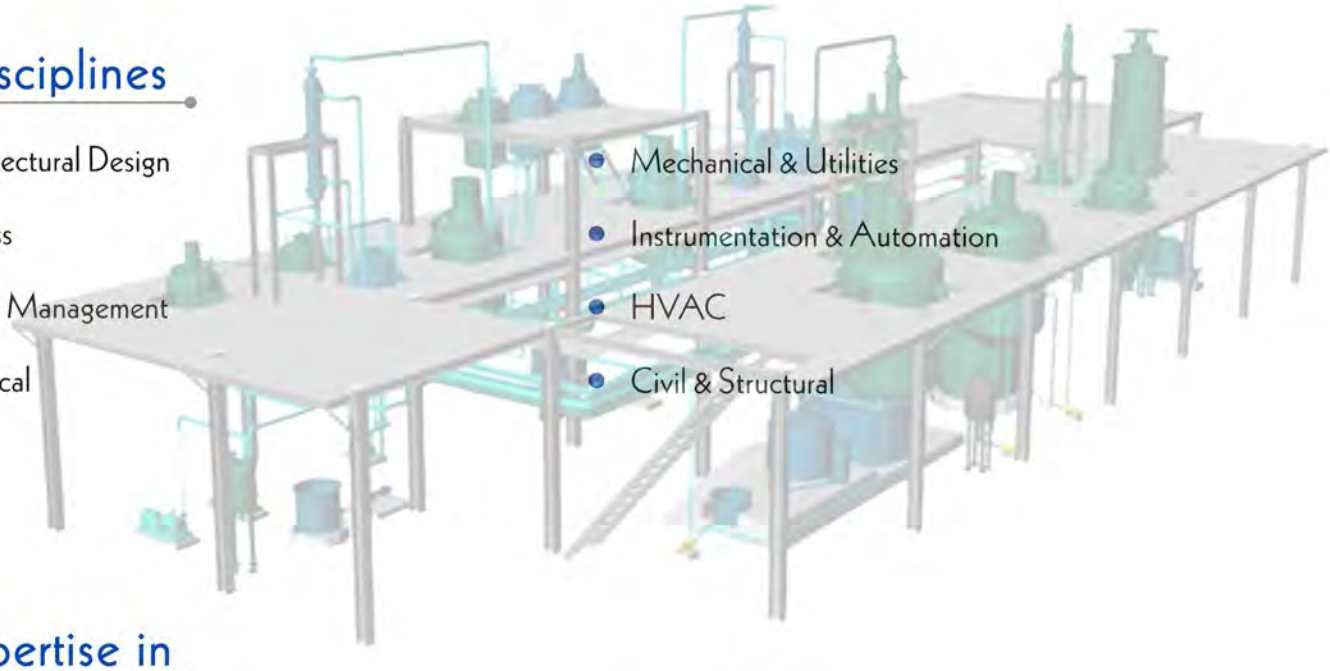


We provide services on Turnkey Project, Project Management for

- Pharmaceutical Plants
- API Plants
- R & D facility
- Water & Waste-water treatment plants

Our Disciplines

- Architectural Design
- Process
- Waste Management
- Electrical
- Mechanical & Utilities
- Instrumentation & Automation
- HVAC
- Civil & Structural



We Expertise in

- Concept Design
- Basic Engineering
- Detailed Engineering
- Project Execution
- Master Planning
- Construction Management
- Project Management

Fields of Activity

Finished dosage turn-key plants

Having specialization in Pharmaceutical Engineering, IPF understands & appreciates the unique design requirements for such facilities. IPF has designed manufacturing facilities, for Sterile, Tablet Orals, Capsules, Liquid Orals, Toothpaste, Cream & Ointments, Semi Solids, etc.

API turn-key plants

IPF has experience in Designing and manufacturing for many API plants accordance to modern standards API processing wet units, Dry units, Clean areas, Utilities are the main specialities of IPF Experts.

Multi-Ton Plants

- Manufacturing of multi-purpose equipment
- Plant design to meet cGMP standard
- Outdoor/Indoor design facilities for civil cost optimization
- Different material selection in corrosion/errosion media
- Pinched energy calculation for minimum utility consumption
- State of the art crystallization unit

The Kilo Plants

- USFDA approvable small volume - high value API's manufacturing facility
- Smooth technology transfer from R & D to commercial scale
- Designed to manufacture developmental and preclinical compounds under cGMP
- Reactor capacities from 50 L to 500 L
- Purified Water System as per USP standards
- Clean Room Area - For different classes
- Different MOC such as GL,PTFE,S.S & High alloys
- Operating Temperature Range: - 55°C to 250°C

Mid-Volume Plants

- Manufacturing of Multi product facility to manufacture API's from 100 Kgs to 2000 Kgs
- Designed to meet cGMP, EDQM and USFDA standards
- Reactor (SS and GLR) capacities from 500 L to 3000 L

Intermediate Plants

- Multi-purpose facility to manufacture advance intermediate and API's for Emerging markets
- Stablishment of plants with special requirement for latest standards
- Manufacturing special equipment to meet high pure & sensitive products

Process Capabilities

- Esterification
- Sulphonation
- Amidation
- Hydrolysis
- Oxidation
- Nitration
- Alkylation
- Acetylation
- Condensation
- Reduction
- Hydrogenation

Project Development & Support Services

- Feasibility Studies Location Analysis
- Site Analysis & Selection
- Project Technical Analysis
- Specification Development
- Regulatory Compliances
- Drawing Development, Layout Design
- Bid Preparation & Analysis
- Construction Scheduling
- Project Coordination & Supervision
- Quantity & Quality Surveying
- Start up Assistance
- Technology Transfer
- Project Cost Estimation & Budget Preparation
- Project Scheduling
- Equipment Specification
- Engineering Estimate & Analysis
- Procurement Analysis
- Field Studies
- Quality control, Inspection & Analysis
- Value engineering
- Third party Inspection & Certification

Architectural Design

- Facility Design, Building Design
- Exterior & Interior Design
- Lighting & Colour Schemes
- Landscape Design
- Layout Design
- 3D Designs, Models
- Perspective Views, Walk Through

Electrical

- Power Generation & Distribution
- Electrical Equipment Layout
- FAT & SAT services
- Grounding design
- Electrical Switch yards & Substation design
- Cabling design & Layout
- Field Survey & Analysis
- Stabiliszed & Uninterrupted Power Supply

Structural Design

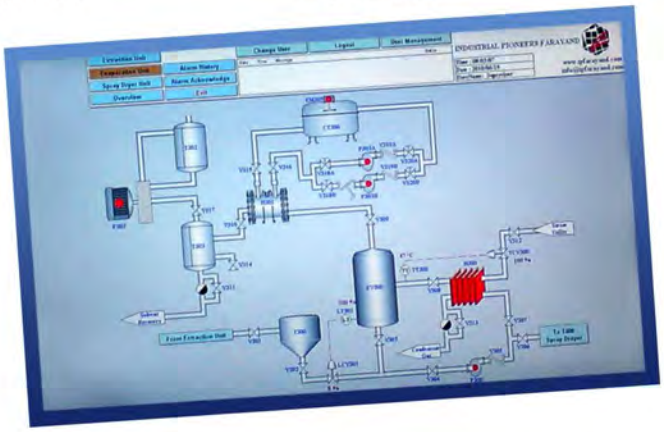
- Structural Analysis & Design
- Foundation Design
- Structural Evaluation
- Construction Detailing & Drawings
- Structures, Tanks, Bins, Hopers
- Stress & Failure Analysis
- Concrete Design & Analysis
- Steel Structure Design
- Infrastructure Design
- Steel Analysis & Steel Design

Lighting

- Indoor
- Outdoor
- Task based

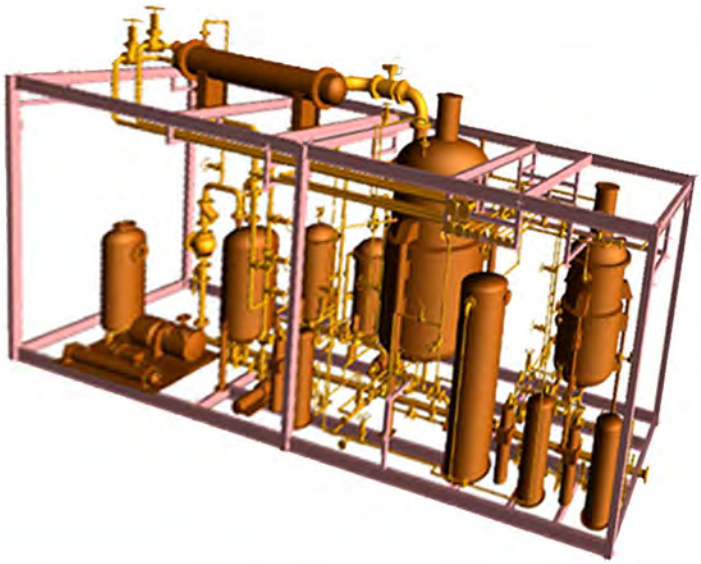
Control System

- Instrumentation & Control
- DCS
- Access Control
- System Integration
- PLC Integration
- Control Interfacing
- SCADA

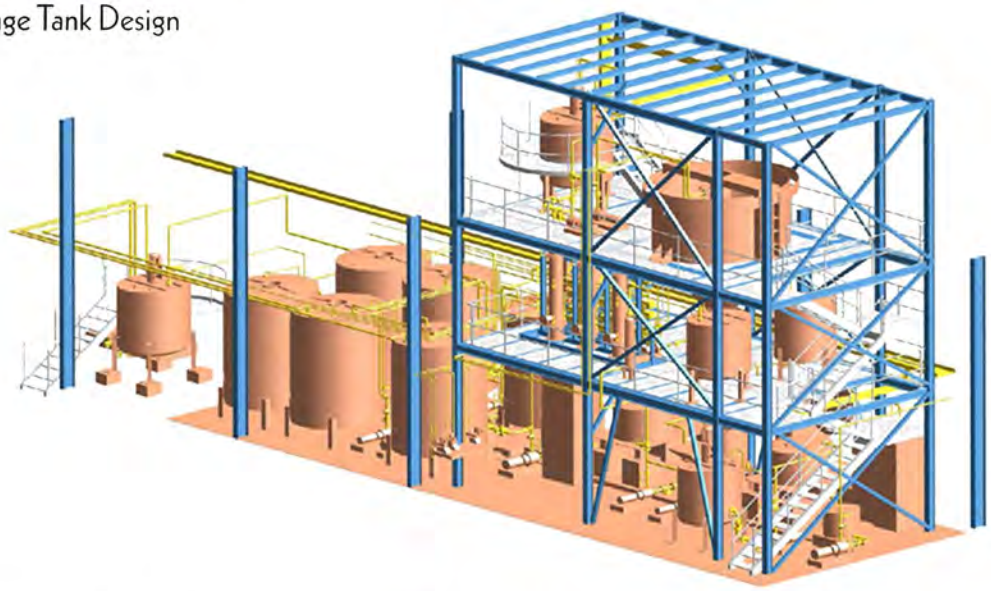


Data Transfer System

- CAD
- CAM



Mechanical & Utility Engineering



- Above & Below Ground Storage Tank Design
- Boiler Selection
- Chiller Systems
- Reaction & mixing design
- Energy Management
- HVAC Systems
- Industrial Modification
- Industrial Ventilation
- Process Heating & cooling
- Material handling, Storage & Transfer Systems
- Refrigeration
- Plumbing, Sanitation & Public Health Engineering Design
- Pumping Stations
- Process & Utility Piping

Piping

- Heat / Steam Tracing
- Hydraulic Flow Analysis
- Instrumentation & C
- Line Raisings
- Line Sizing
- Line Studies
- Gas Pipelines
- P&ID Generation and Updating
- Pipeline Operations
- Sampling Systems
- Underground Piping
- Fire Hydrant System
- Pipe Support Design
- Piping Design & Layout
- Piping Systems and Networks
- Stress Analysis
- Utility & Process Piping
- Pipe Sizing, Selection and Specification

Process Engineering

- Process Design
- Conceptual Designs
- Heat Recovery / Transfer
- Material Handling
- Plant & Process Layout
- Process Development & Analysis
- Process Simulation
- Recirculation Systems
- Safety Management
- Sampling Systems
- Storage Tanks
- Line Modernizations
- Material Handling & Processing
- Equipment Selection & Specification
- Chemical Facility Design
- Plant Improvements
- Instrumentation & Controls
- Material Transfer Systems
- Process Control & Optimization

Project & Construction Management

- Project Scheduling, Planning & Control
- Construction Supervision & Coordination
- Inspection & Monitoring
- Construction Management
- Deviation Analysis
- As-Built drawings & Records
- Project Record Maintenance & Archiving
- Quantity, Quality & Cost Survey, Analysis & Control
- PERT & CPM

Snapshots of few of our Completed projects

Behansar

Location: Saveh - Kaveh industrial zone
Product: API - multi purpose,
Alumium & Magnesium Hydroxide
Sodium Chloride ,...
Contract: Turn-key base (EPC)
Start-up Date: 2001
Facilities: Reaction unit, Filteration, Evaporation
Drying, Utilities

IROST

Location: Tehran - Asre Enqelab Complex
Product: Herbal Extraction Plant
Contract: Turn-key base (EPC)
Start-up Date: 2010
Facilities: Counter-Current Extraction Unit,
Concentration Unit, Drying Unit

Hackim Farayand Chemi Co.

Location: Qazvin - Takestan
Product: API - Atorvastatin Calcium,
Clopidogrel
Contract: Turn-key base (EPC)
Start-up Date: 2008
Facilities: Reaction unit, Filteration, Crystallization
Drying, Blending, HVAC, Utilities, Clean Room

Behestan Tolid Co.

Location: Saveh - Kaveh industrial zone
Product: Finished Dosage Tablet/Capsules/...
Contract: Turn-key base & MC
Delivery Date: 2011
Facilities: Production Building, Laboratories, Utilities

Parand Darou

Location: Saveh - Kaveh industrial zone
Product: API - Narcotic derivatives, multi purpose
Contract: Turn-key base (EPC)
Start-up Date: 2013
Facilities: Reaction and wet processing unit, Drying, Blending, Utilities, HVAC, Clean rooms & GMP facilities

Darou Pooyan Pishro

Location: Parandak industrial zone
Product: API - multi purpose,
Contract: Turn-key base (EPC)
Start-up Date: 2013
Facilities: Reaction and wet processing unit, Drying, Blending, Utilities, HVAC, Clean rooms & GMP facilities

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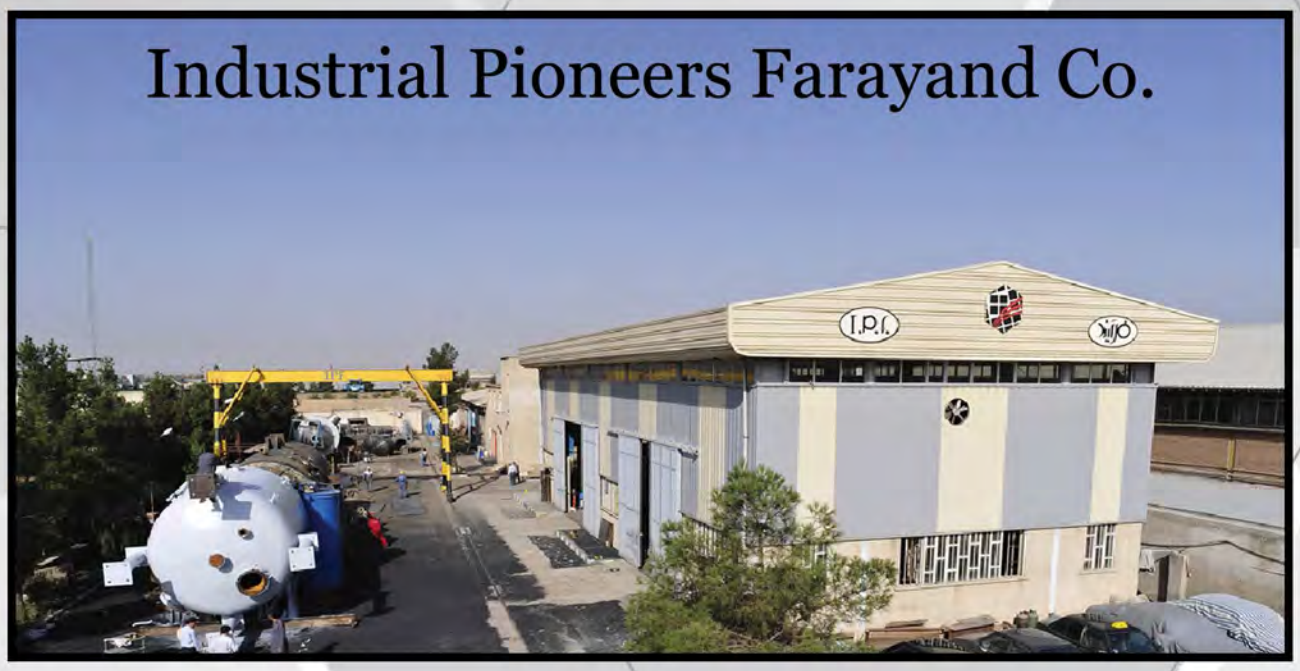

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