



I.P.F.

INDUSTRIAL PIONEERS FARAYAND

*Engineering & Fabrication in
Chemical, Petrochemical and
Pharmaceutical Industries*

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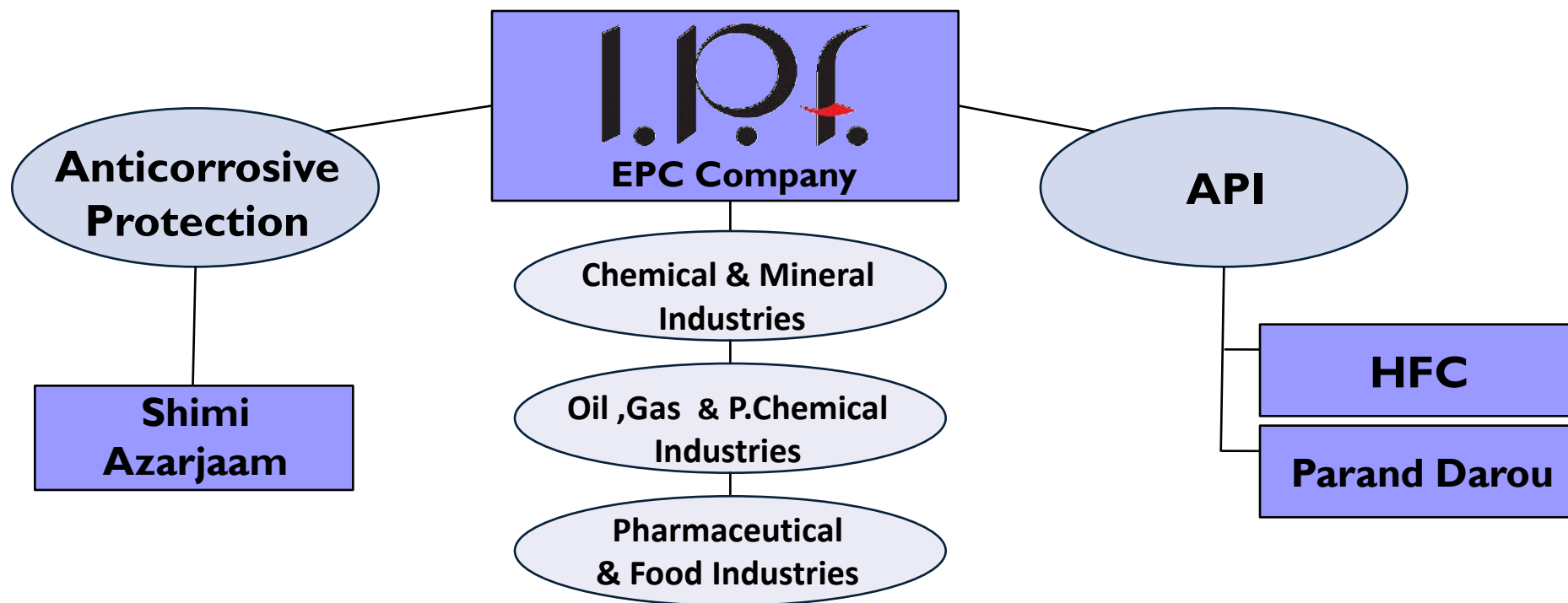
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Company Introduction



■ Mother Company Introduction



Company



Industrial fields of activity



Company Introduction



I.P.F. was established in 1990 as a company for fabricating of equipment for chemical and pharmaceutical industries.

It was expanded very rapidly and it's engineering section activated.

Now the company takes full advantages of process, mechanical, instrument, Electrical, and civil divisions.



Also fully equipped fabricating workshop is tightly connected to the engineering section.

IPF Co. by obtaining the EPC certificate grade 2 for industry from planning management organization has tried to increase customer satisfaction.

For the time being more than 250 persons are working in IPF and their affiliate companies in Engineering department, workshop and in the form of executive team of projects.



I.P.F. Staff Annual Meeting



Fields of Activity



Chemical & Mineral Industry

Petroleum & Gas Industry

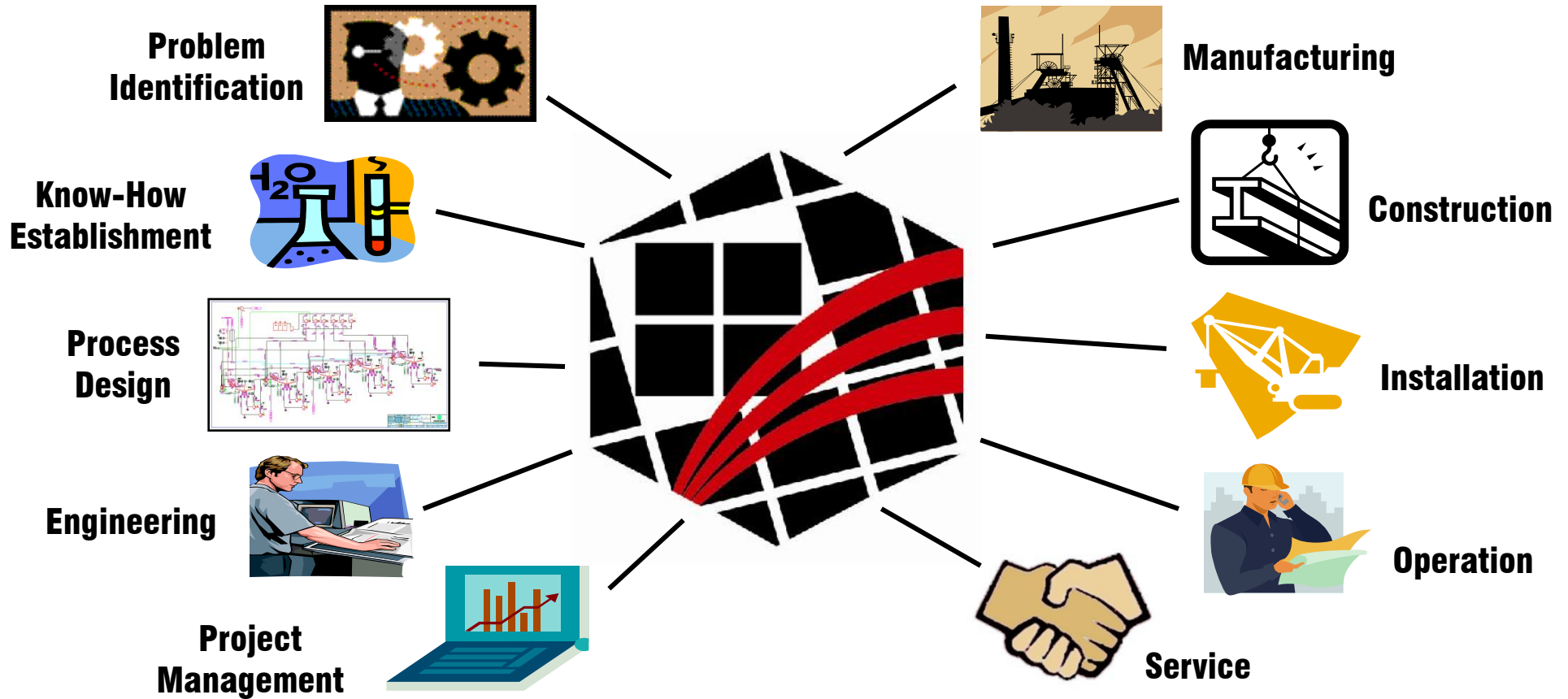
Pharmaceutical Industry

Anticorrosive Protection

- ☐ **Consultancy**
- ☐ **Engineering**
- ☐ **Technology-Based Contracting**
- ☐ **General Contracting**
- ☐ **Overseas Services**
- ☐ **Export of Plant & Equipments**



The Company Capabilities



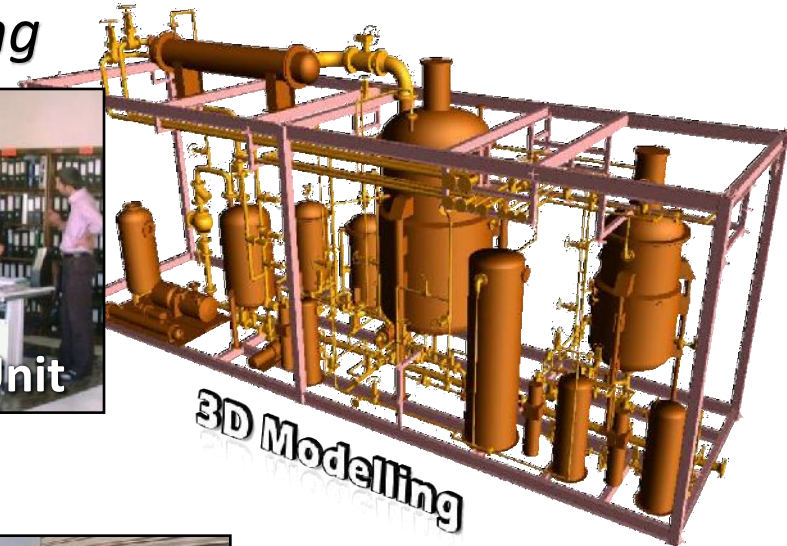
Company Departments

■ *Engineering Unit ; Basic & Detail Engineering*

- Process
- Mechanical
- Electrical
- Control & Instrumentation
- Civil



Engineering Unit



■ *Construction & Installation Unit*

- Equipment Fabricating
- Erection & Installation
- Piping & Caballing



I.P.F. Factory

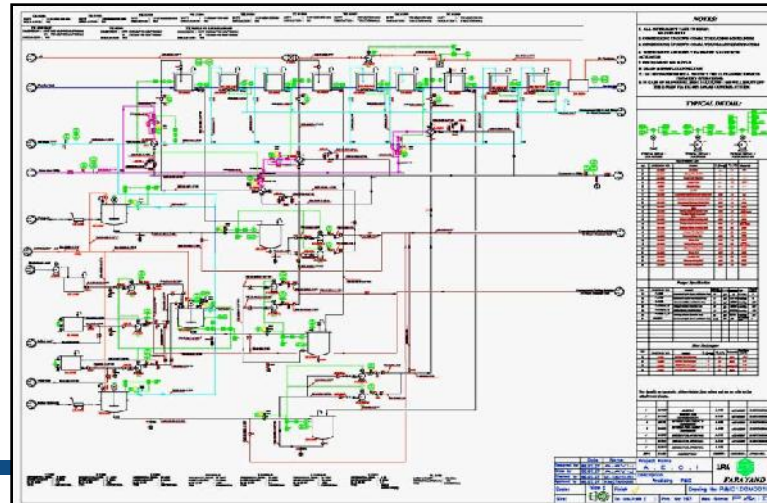


Project on Site

Company Departments

➤ Process

Basic design
Block flow diagram / PFD / P&ID
Detail engineering
Process optimization
Laboratory test methods
Equipments specification



P&ID Design

Process

Crushing /
Milling

Leaching /
Reaction

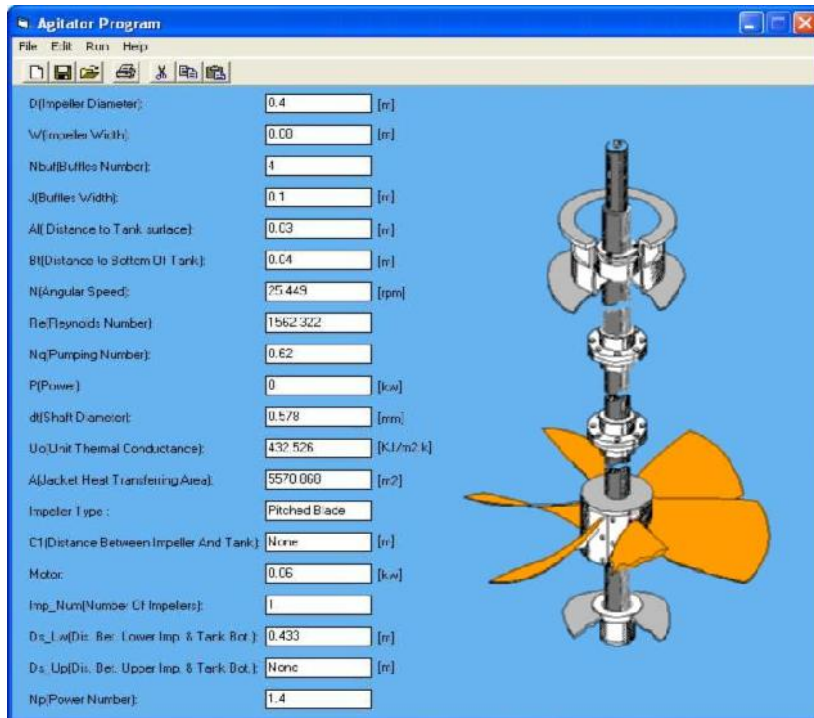
Sedimentation /
Thickening

Adsorption /
Desorption

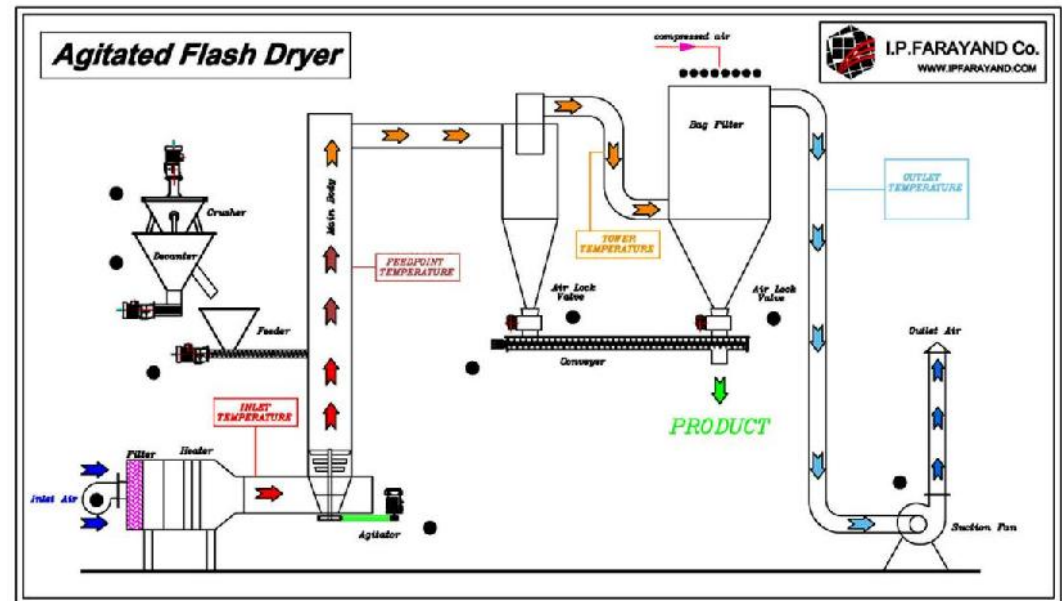
Evaporation /
Crystallization

Drying

➤ Process



Agitator Design Software
Created by I.P.Farayand



Dryer Flow Diagram



Company Departments



➤ Mechanic

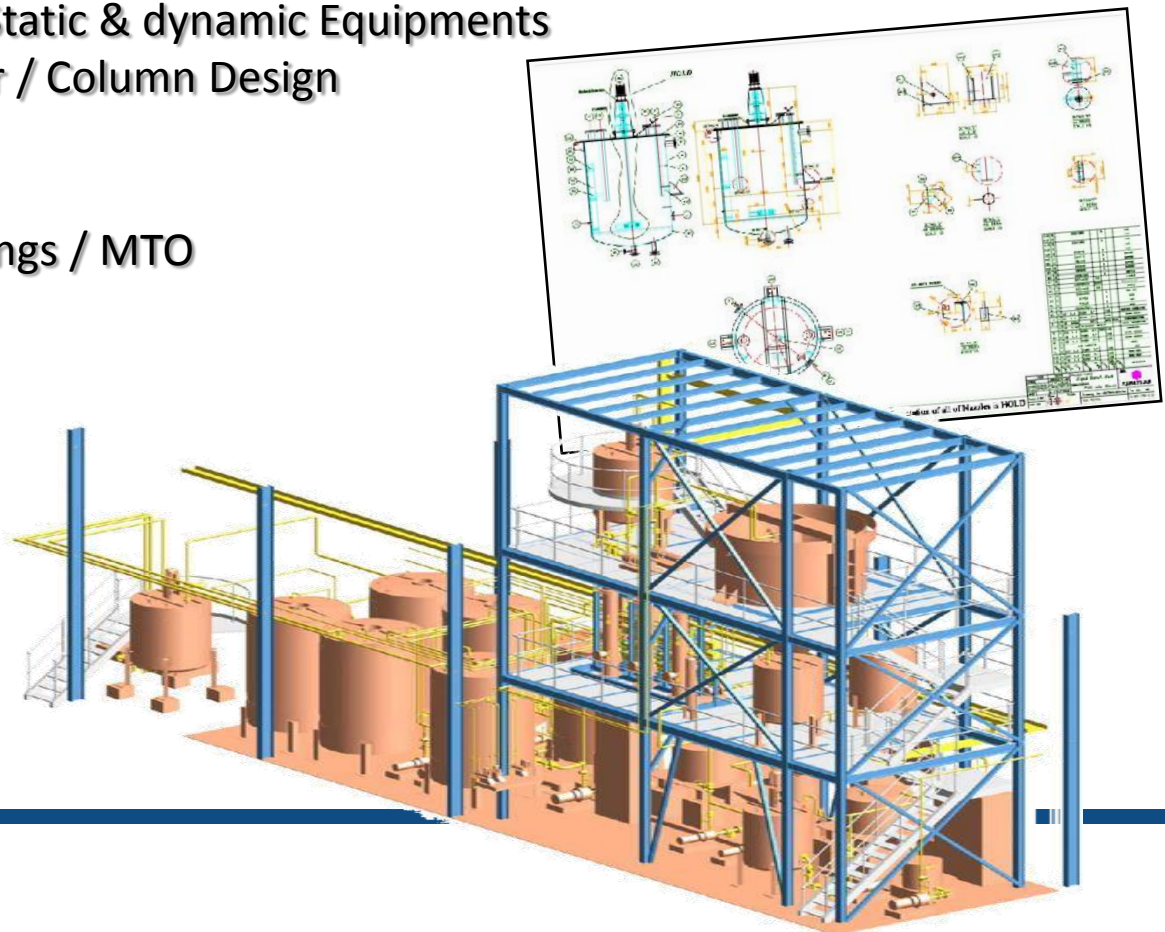
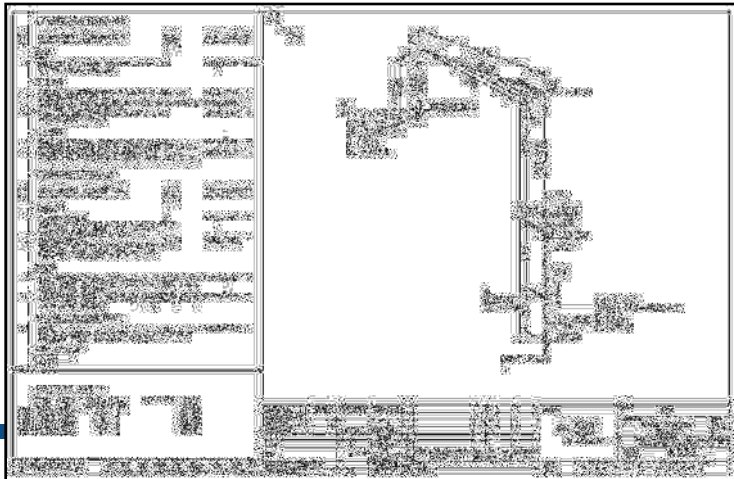
Standard and code base calculation for Static & dynamic Equipments

Pressure Vessel / Heat Exchanger / Dryer / Column Design

Stress Analysis

Basic / Detail / Workshop drawings

Piping Design / 3D Drawings / ISO Drawings / MTO





➤ Electrical, Control & Instrumentation

Load list preparation

MCE & Cables Calculation

Panel design

General arrangement & Root design

Design of lightening & fire fighting in plant

Precommissioning & Commissioning of plant

FAT & SAT Tests

Control system selection design & programming

Instrument selection and control loop design



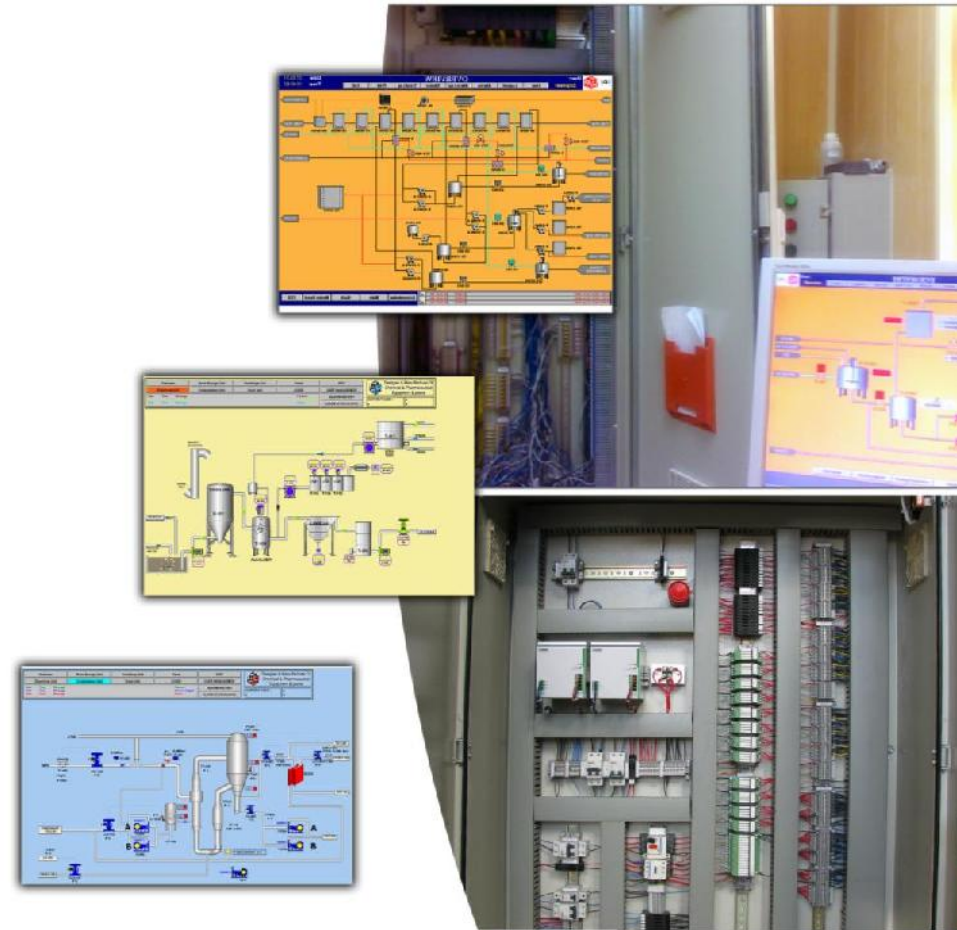


➤ Electrical, Control & Instrumentation

There is a standalone department for process control & Automation in the company. Expert staff attended to some outstanding professors solve all problems in the field of process control of the projects.

New technologies and foundations such as DCS, FIELDBUS, PROFIBUS, PROFANED, etc. are used along with famous brands such as Siemens PCS7, Omron, Schneider and so on.

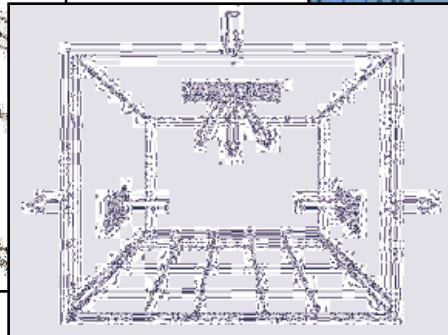
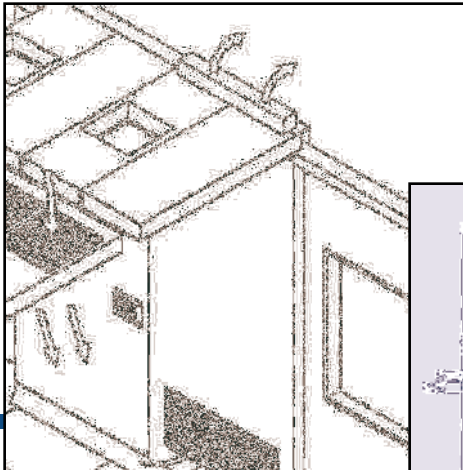
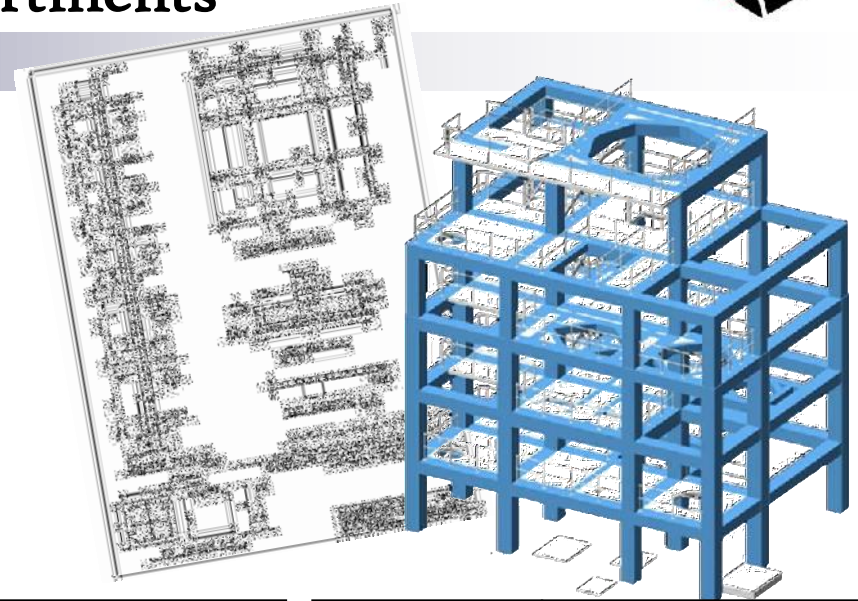
Our main target in this discipline is to achieve the best and uniform quality of the products with the most smooth and trouble-free operations to Manage all process control system.





Civil

Concrete / Steel Structure Design
 Structure Design for Static & Dynamic loads
 Layout / Site Plant / Architectural Design
 Equipment Foundation / Pipe Racks / Supports
 Civil Construction
 Clean Room Design & Construction with GMP Standard





■ *Research & Development*

- Basic Research
- Process Development
- Laboratory & QC
- Pilot Plant Facilities
- Design Confirmation
- Economic Research



■ *Procurement*

- Procurement Engineering
- Local & Foreign Supply
- L/C Opening
- Contracting
- Custom Clearance



I.P.F. Factory Warehouse



**Instrumental Analysis
Laboratory**

Company Departments

■ Commercial

■ Import

- Sourcing
- Agency
- Contracting

■ Export

- Marketing
- Representation
- Re-Export

■ Services

- L/C & T/T Facilities
- Business Consultancy
- Exhibition

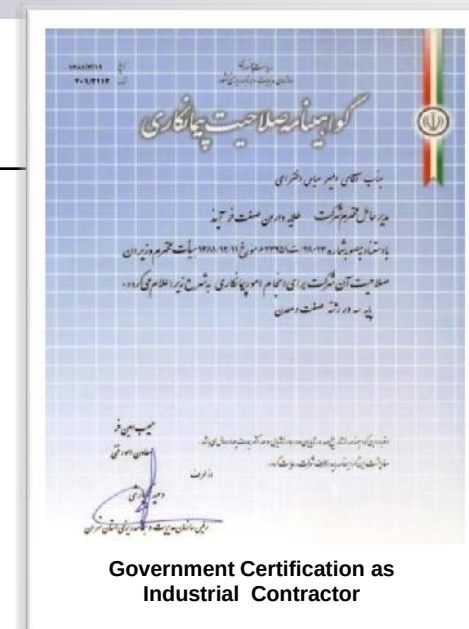
■ Overseas Offices

- Turkey
- China
- U.K.
- Canada





- *Organization Chart*

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■ Salt Purification Projects:

- Sadafe Sepid
- Iran Salt
- Sepid Daneh
- Azar Sepide Bolur
- Namakal Salt





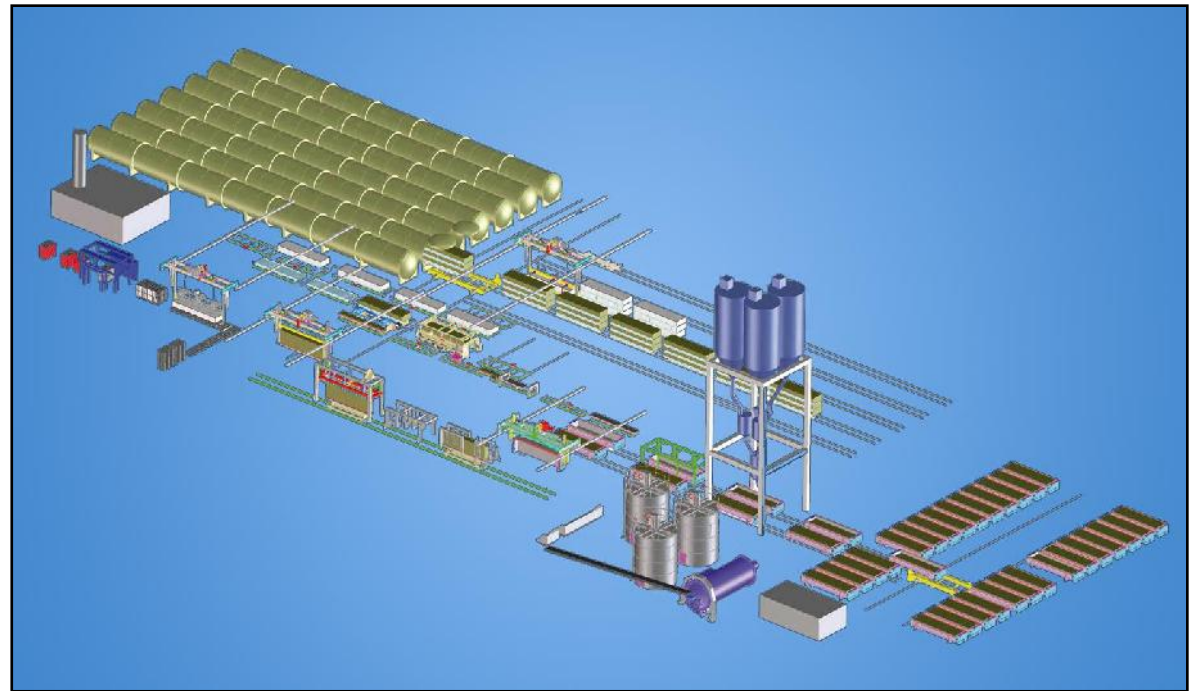
- Gold Processing Plant:



- CCD Thickeners for Leaching process:



- Aerated Autoclave Concrete (AAC) Machinery & Plant:



- Chemical Injection Packages:
 - Phases 6,7,8 of South Pars Gas Field
 - Salman Oil Platform
 - Sarcheshmeh Copper Industries Plant
 - Shiraz Petrochemical Co.
 - Iranian Offshore Oil Co. (Sirri Island)



- High Pressure Reactor & Shell & Tube Heat Exchangers:
 - Research institute Of Petroleum Industry (RIPI)

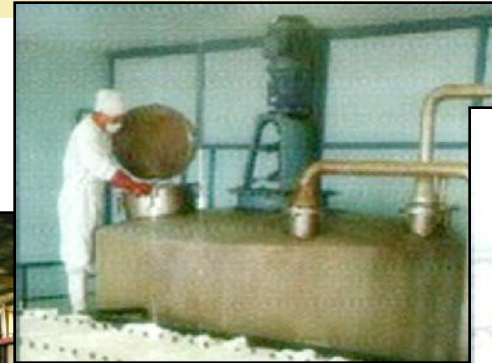


- Tripods:
 - P.E.D.Co.



- Magnesium hydroxide Gel

- Behansar



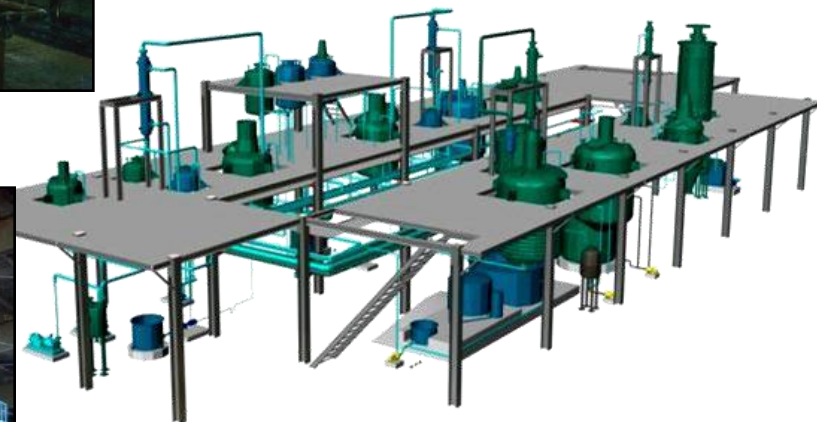
- Salicylic Acid Project:

- Faran Shimi



- Sodium Acetate Project:

- Neshat Daroo





References: Pharmaceutical Industry



■ Hackim Farayand Chemi Co.

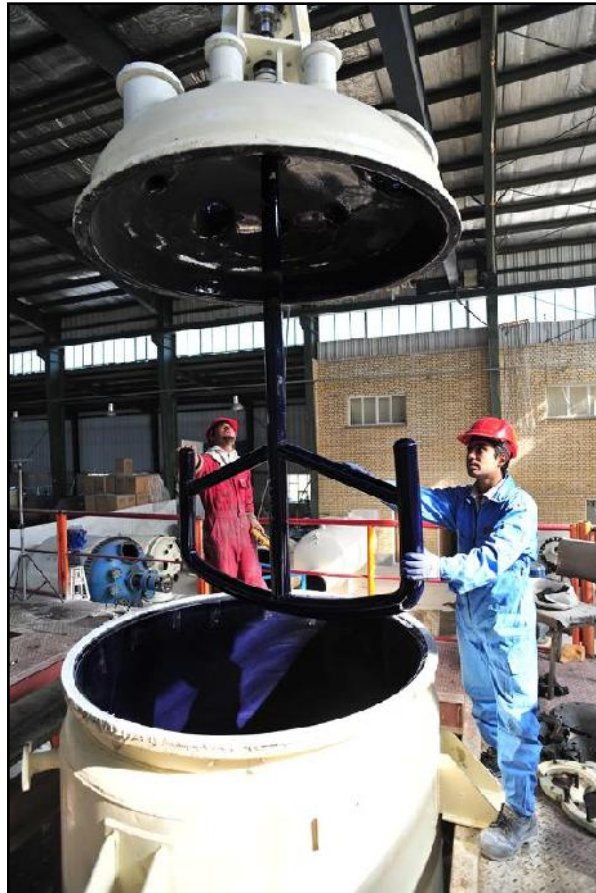


■ Parand Darou Co.





- ☐ Glass
- ☐ PTFE
- ☐ ECTFE
- ☐ PFA
- ☐ FEP



Overseas Projects

- We provide professional and dedicated services in the Middle East Region, Central Asia & Other Countries.
- Fermenter:
 - Dr. Bluhm GmbH.
(Export to Germany)
- Iodic Salt Project:
 - Afghanistan (UNICEF)
- ...



Equipments

■ During the last years we have carried out engineering, fabrication and installation in a wide range of equipments.

- Dryers
- Mixers
- Filters
- Chemical Injection Packages
- Crystallizers
- Reactors
- Pressure Vessels
- Bio Reactors
- WTP
- CPP











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