



Providing Solutions

IPF has over the years combined operational, technology and engineering excellence to offer customers a comprehensive package of design services, consulting and planning to developing, integrating and managing solutions in industries. IPF provides total solutions for a given requirement, which may include process design of chemical or petrochemical plants, units development and so on. Some provided solutions by IPF are listed as follow:

- Material Selection for High Corrosive Services
- Waste Water Treatment of Desalting Units by Evaporation Technology (Zero-Liquid Discharge-ZLD)
- Cryogenic Air Separation Unit
- Spent Sulphuric Acid Recovery
- Usage Cascade Chillers For Olefin Plant

IPF Services in the Field of Providing Solution

- Providing World-Class & Cost-Effective Solutions
- Providing Simple Solution for Complex Issues
- Accelerating Time to Overcome Customer Difficult Matters
- Engages with Customers in Every Step of Engineering Services



Technology Transfer

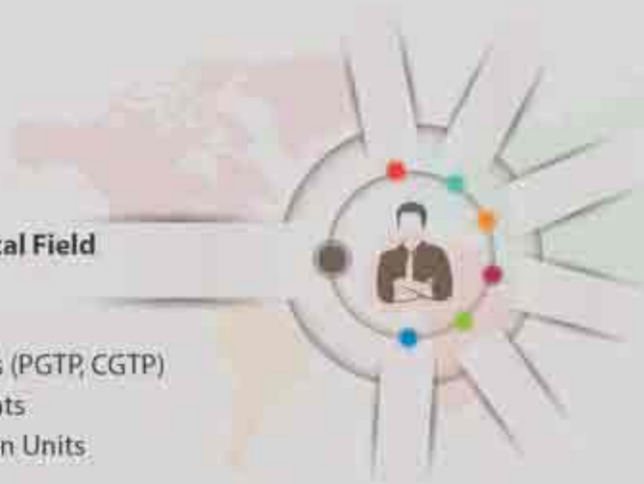
I.P.F Introduction

Industrial Pioneers Farayand (IPF) Company, as an EPC contractor and a supplier of technology, has more than 22 years experience in designing, manufacturing, and commissioning in chemical, oil & gas, petrochemical, mineral, pharmaceutical and food industries. In this regard, to make improvement on the related local industries, IPF focuses to obtain and transferring technology from the reputable worldwide companies as follow:

- Evaporation & Crystallization Technology from HPD Co. (Spain). (This technology has been applied in 20 purified salt plants In Iran & Middle East).
- Cryogenic Air Separation Unit Technology from XAL Co. (China)
- Glass & Polymer Lining Equipment. To Increases Corrosive Resistance. (for The first time in Middle East)
- Factory Production Line for Autoclave Aerated Concrete (AAC) From HESS Co. (Germany). (for the first time in Iran)
- Factory Production Line for Vitamin-E. (for the first time in Iran)
- Vapor Recovery Unit (VRU) Technology form ECOTECH (Australia).

I.P.F Services in the Field of Technology Transfer

- Finding Technology Companies and Their Evaluation
- Negotiation and Contract for Technology Transfer
- Implementation and Localization of Technology



Available Technolog in Oil, Gas & Petrochemical Field

1) Gas Industry

- Biogas
- Preliminary and Complex Gas Treatment Plants (PGTP, CGTP)
- Solid and Liquid Sorbent Gas Dehydration Plants
- Low Temperature Separation and Condensation Units
- Gas Processing Plants
- Gas-Fractionation Plants
- Hydrogen Sulfide Gas Treatment Plants
- Hydrocarbon Condensate Stabilization Units
- Recovery Units for Hydrate Development Inhibitors (Methanol, Glycol, etc.)

2) Oil Refining & Petrochemical Industry

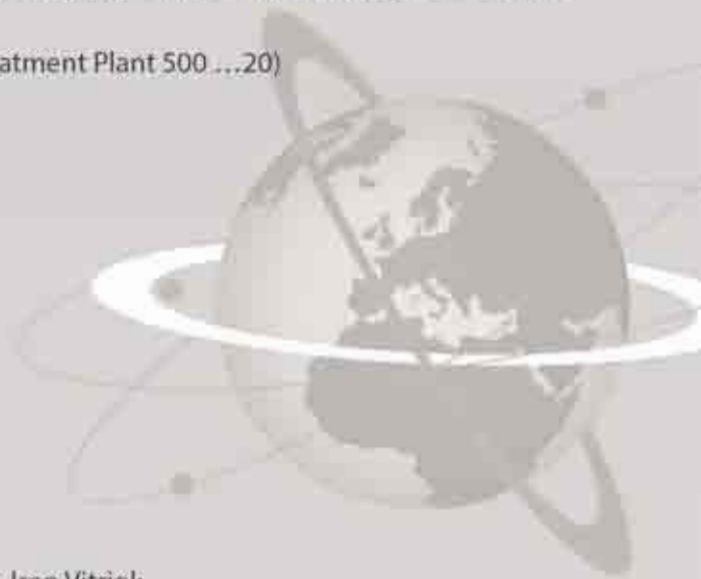
- Rectification of Oil, Oil and Gas Condensate
- Straight-Run Gasoline Conditioning
- Regeneration and Utilization of Liquid- and Gas-Containing Wastes of Various Productions (Spent Sulfuric Acid, Acid Sludge)
- Miniplants for Oil and Condensate Refining (Oil Complex Treatment Plant 500...20)
- Primary Oil Separation Units
- Cryogenic Air Separation Unit
- Wet Oxidation
- Desalination Plants and Ultra-Pure Water
- Used Motor Oil Recycling
- High Quality and Concentrated Hydrogen Peroxide

3) Chemical Industry

- TMP – Trimethylolpropane
- Refined Glycerol (USP or EP Glycerin)
- Biofuel Production
- MTBE
- Sulfuric Acid Produced From Sulfur, Hydrogen Sulfide, Pyrite, Iron Vitriol;
- Oleum, Reactive Sulfuric Acid, %100 So₂
- Granulated Ammoniated Superphosphate, Ammophos, Diammonium Phosphate
- Effluents Neutralization With Waste Gases Recovery
- Isocyanates MDI And TDI

4) Other

- Evaporation & Crystallization Technology from HPD Co.
- Air Separation Unit Technology from XAL Co.



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