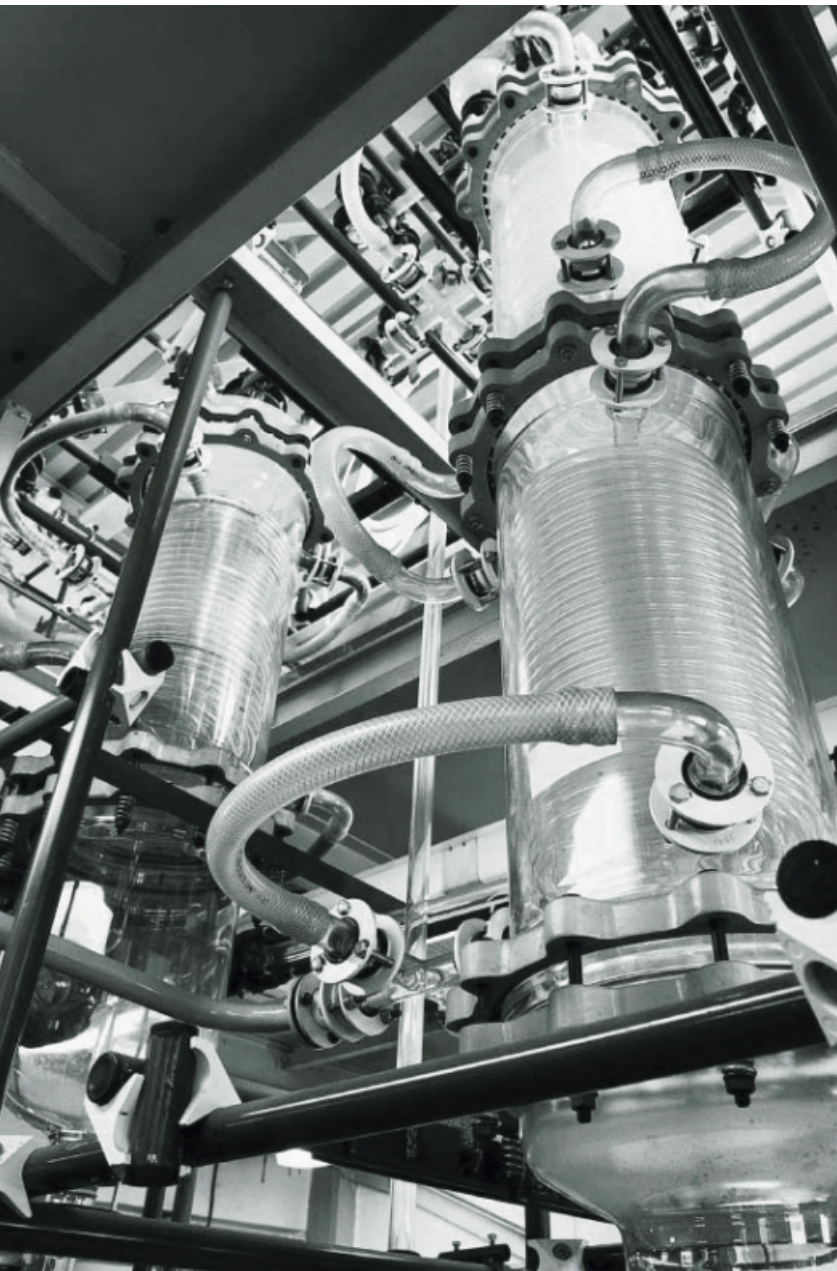


Process Engineering Solutions



INCREASE PROFITS FROM BYPRODUCT RECOVERY

ablaze has concept and History of developing and supplying process systems to Chemical Industry and helps to improve Environment by offering exhaust gas absorption and waste water treatments. Reclamation of Chemicals /Solvents from waste air or Liquid streams often plays important part in becoming economical viable process.

All around the actual synthesis material flows accumulate in the chemical and pharmaceutical industry, which must be cleaned under environmental aspects or still contain resources. At the same time, the requirements of the environmental protection laws also must be adhered to as well as the cost-saving preparation and recycling of resources.

In the scope of our process system activities *ablaze* offers basic and detail engineering services to Commissioning in different project levels up to turn key delivery .We use Different Material of Construction Such as Borosilicate glass,PTFE, FEP-PFA Lined Components, Tantalum to arrive at cost effective and environment friendly solution.



Process Engineering Solutions



Recovery, Concentration and Purification of Mineral Acids

Production Units

- Bromine recovery from Sea Bittern
- Bromine recovery from Industrial Bromide solutions by halogenations
- Sodium Hypochlorite Production

Hydrochloric Acid:

- Absorption-Adiabatic and Cooled Absorption Methods
- Purification up to Analytical grade
- Concentration
- Dry HCl Gas generation by
 1. Boiling route
 2. Sulfuric Acid Route
 3. Calcium Chloride Route

Sulfuric Acid

- Sulfuric Acid Dilution
- Sulfuric Acid Concentration
- Sulfuric Acid Purification

Nitric Acid

- Nitric Acid Concentration
- Highly purified Nitric Acid

Exhaust Gas recovery /Exhaust Air Purification

- Drying of SO₂ or Cl₂ using sulphuric acid
- Absorption of HCl, HBr, SO₂, and Cl₂, Br₂, SO₂, Ammonia,
- Combined absorption of HCl and SO₂
- Combined absorption of HCl and Cl₂
- Absorption of ethylene oxide or ammonia
- Absorption and recovery of volatile organic components
- Solvent recovery by Condensation
- Recovery and Product Purification
- Solvent recovery by evaporation, distillation and rectification like MDC, NMP, DMF, alcohols, Cleaning Solvent, etc.
- Rectification of binary and multi-component mixtures
- Purification of natural extracts (e.g. essential oils)

Waste Water Treatment

- Stripping of partly miscible components (toluene, chloroform, MDC etc.)
- Stripping of ammonia
- Extraction of high boiling impurities with recovery
- Multiple-effect evaporation of waste water with or without solvent recovery

Miscellaneous Engineering System

- Falling Film Evaporator
- Wiped Film Evaporator
- Climbing Film Evaporator



Ablaze Export Incorporation

E-52/4, Sardar Estate, Ajwa Road,
Vadodara - 390 019. Gujarat, India.

Ph. : +91-265-257 0105

E-mail : info@ablazeexport.com, export@ablazeexport.com,

Web : ablazeexport.com