Process Plants Corporation (PPC) personnel have a long history of inorganic chemical activity extending over a period of 35 years. This activity developed from a background in both the hydrometallurgical and inorganic processing industries. We have the capability to develop processes, analyze pilot plant data, and upgrade existing designs to establish designs to establish the economic viability of a project.

Our engineering know-how includes plant proven experience in such vital areas of inorganic chemical processing as:

Grinding
Crystallization
Thickening and Clarification
Filtration and Centrifugation
Roasting, Drying and Calcining
Distillation
Screening
Classifying
Leaching and Dissolution
Evaporation
Solvent Extraction and Ion Exchange
Slurry and Solids Material Handling
Waste Water Treatment
Discharge Air Treatment
Process Control

PPC personnel have designed systems using the most difficult reagents including sulfuric, nitric, hydrofluoric and hydrochloric acids, caustic, ammonia, hydrogen sulfide, sulfur dioxide and lime to name some more common ones. These corrosive reagents required special material selections which have included lead, rubber, glass-lining, stainless steel, nickel, titanium and Hastelloy.

Direct applicable experience for your project has been gained from the following PPC projects:

- Molycorp Sulfuric Acid Plant
- ALCOA Low Density Catalyst Spheres Plant
- LTV Zinc and Nickel Alloy Electrogalvanizing Line
- Double Eagle Electrogalvanizing Line
- North American Höganäs, Inc.
- INDSPEC Crystallization