

Services to the phosphate industry

Industrial minerals

Each year, about 80-million new individuals join the global population. Population increase creates a demand for food that can result in rapidly rising food prices and localized food shortages.

Phosphate producers supply fertilizers to farmers around the world. These growth enhancers are essential to agricultural production and the crop yields needed to feed the world. Fertilizers provide nutrients for plant photosynthesis, the process that converts carbon dioxide from the air into the oxygen we breathe, and the carbohydrates and starches that support life on earth.

With only a limited amount of land suitable for agriculture, we must do more with what we have. We need new products to make crop fertilization more effective and efficient. Phosphate producers must constantly optimize their existing facilities and find new and better ways to sustain the operations that will feed us today, and future generations tomorrow.

That's where we come in. For years, our professionals have partnered with companies that operate phosphate-fertilizer chemical plants, working with them to engineer, design, operate, and maintain their facilities.

We specialize in:

- Phosphate mine planning and design
- Phosphate ore transport, beneficiation and flotation
- Energy recovery and cogeneration
- Phosphate rock grinding
- Wet phosphoric acid reaction/filtration
- Double filtration
- Forced circulation evaporators
- Phosphoric acid clarification
- Fluosilicic acid recovery and related products
- Super phosphoric acid
- Granulated ammonium phosphates (MAP/DAP)
- Di-calcium phosphate (DCP) and animal feeds
- Granular triple super phosphate (GTSP)
- Water management



Global phosphate reserves are a precious resource that underpin the world's food supplies. Hatch provides the technical resources to help develop new projects and enhance existing processes to meet demand for finished phosphate fertilizer products.



Hatch offers global expertise for the optimization of phosphate fertilizer manufacturing processes from phosphate mining and beneficiation through downstream chemical plant design and operation.

Contacts

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- Gypsum stacking.

Our clients know they can rely on the added value, trust and communications we offer, as well as the strong working relationships we develop across a diversity of cultures, geographies, industries, and processes.

