



LOW-GRADE RAW MATERIALS

- + Low P_2O_5
- + High organics content
- + High heavy metals content
- + High Al/Fe/Mg content



MODULAR TECHNOLOGY

- + Modular equipment
- + Small to Large size capacity
- + High flexibility in term of raw materials (HCl , H_2SO_4) and products



HIGH QUALITY PRODUCTS

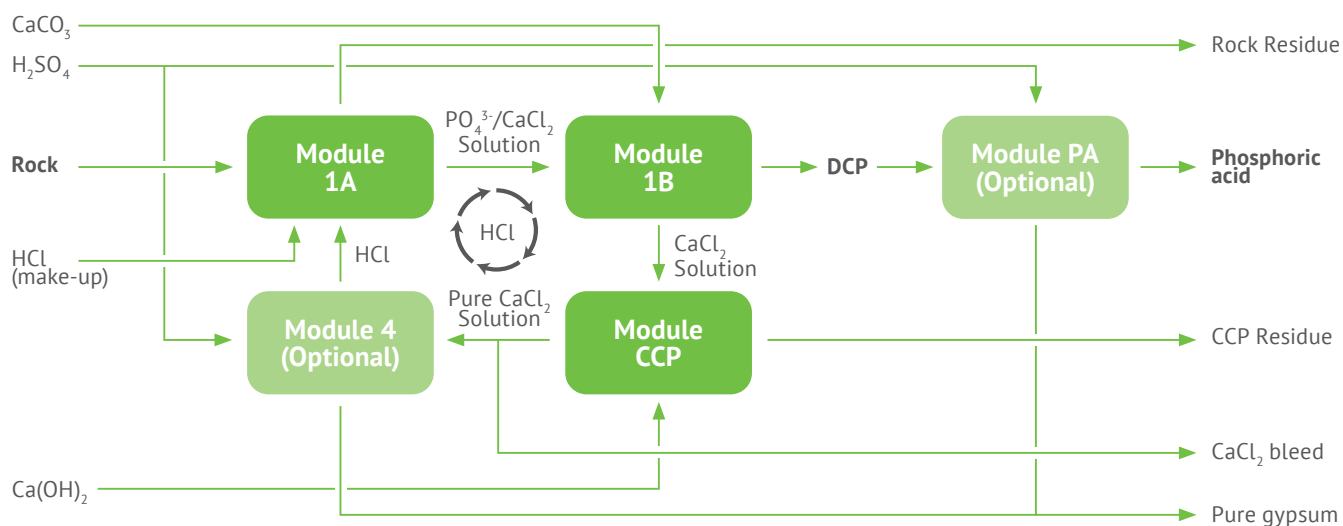
- + Pure DCP that can be converted into various phosphate products (phosphoric acid and derivatives) for different fields of application: animal feed, fertilizer, technical...



ENVIRONMENTAL FRIENDLY PROCESS

- + No gypsum or pure gypsum
- + Limited waste quantity
- + Limited effluent quantity or pure effluents
- + Limited energy consumption

PHOSPHATE PRODUCTION PROCESS



Calcium phosphate and/or phosphoric acid production through HCl route



LOW-GRADE RAW MATERIALS

- + Low P_2O_5
- + High organics content
- + High heavy metals content
- + High Al/Fe/Mg content
- + High Fluorine



ECONOMICAL PROCESS

- + Flexible capacity
- + Use of H_2SO_4 waste stream
- + Replace an existing rock beneficiation plant (to improve the efficiency and reduce the operation costs)



HIGH QUALITY PRODUCTS

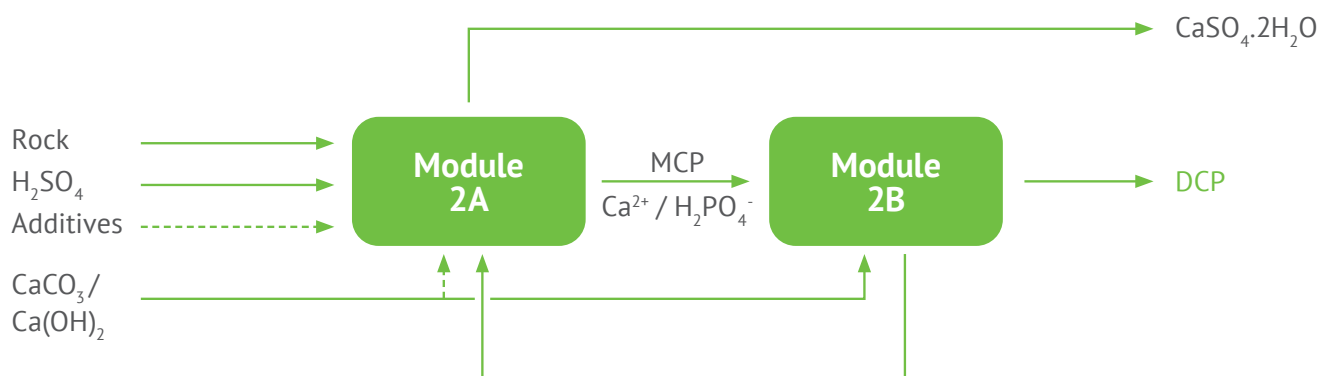
- + High quality of the DCP product (P_2O_5 content, low impurities level)
- + Wide area of application for DCP-based products (animal feed, fertilizer, technical)



RECOMMENDED FOR LOCATIONS

- + Where low grade rock is available
- + Where H_2SO_4 is available (especially low-cost)
- + Where gypsum quality of an existing phosphoric acid plant must be improved (heavy metals and radioactive elements removal)
- + To boost the capacity and reduce maintenance costs of an existing phosphoric acid plant with a pure DCP product

GetMoreP PROCESS



PRAYON TECHNOLOGIES PROCESSES & SERVICES RANGE

PHOSPHORIC ACID PRODUCTION

- + Dihydrate Process (DH)
- + Hemihydrate Process (HH)
- + Di-Attack-Hemihydrate-Filtration Process (DA-HF)
- + Central-Prayon Process (CPP)
- + Hemihydrate - Dihydrate Process (HDH)

PHOSPHORIC ACID TREATMENT

- + Desulfation (SO_3)
- + Desarseniation (As)
- + Decadmiation (Cd)
- + Defluorination (F)

PURIFICATION

- + PUMA Membrane Purification Process
- + Ion Exchange Resins Process

DCP PRODUCTION

- + HCl-based EcoPhos Process
- + H_2SO_4 -based GetMoreP Process

MCP PRODUCTION

- + From Pre-Treated Phosphoric Acid
- + From Di-Calcium Phosphate

TECHNOLOGIES ASSOCIATED TO PHOSPHORIC ACID PRODUCTION

- + Concentration Process
- + Gas Scrubbing Process
- + Fluorine Recovery Process

SERVICES

- + Licensing
- + Lab & Pilot tests
- + Semi Industrial validation
- + Training
- + Site Services
- + P2Gether Plant Performance Optimization
- + Technical surveys

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Discover our new Web App for Phosphoric Acid Producers :
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