

SUITABLE TECHNOLOGY TO PRODUCE PHOSPHORIC ACID AND FERTILIZER WITH A ROCK CONTAINING UP TO 3,5% OF MgO



ECONOMICAL

- + Implementable on existing plant
- + No additional acid consumption
- + Low OPEX



RECOMMENDED FOR

- + Rock with high Mg content
- + Fertilizer production DAP, TSP, NPK,...



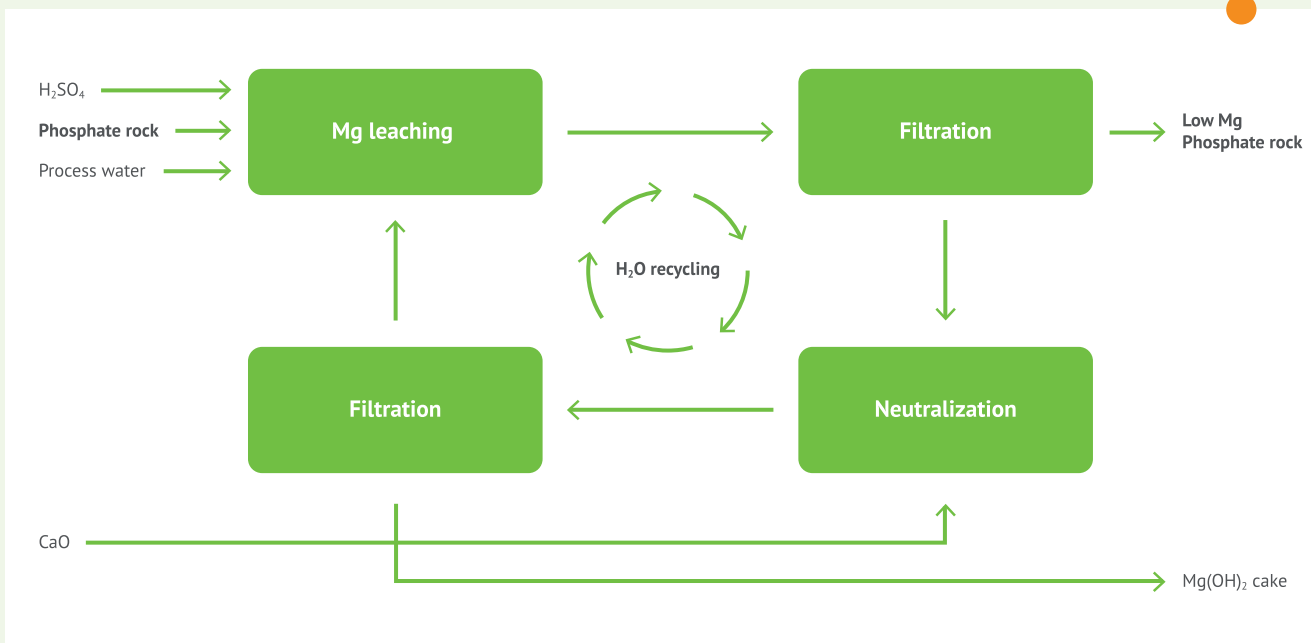
SUSTAINABLE

- + Close loop
- + Use of low-grade rock
- + No effluent



KEY FIGURE

- + 98% P₂O₅ yield
- + 60-70% Mg removal
- + Up to 3,5% MgO on the phosphate rock



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)

ANIMAL FEED

- + DCP/MDCP/MCP HCl based Ecophos Process
- + MCP/MDCP from Pre-Treated Phosphoric Acid

SUSTAINABILITY

- + Secondary P-Sources
- + Spent Acids Recycling

PHOSPHORIC ACID TREATMENT

- + Ion Exchange Demetallization
- + Desulfation (SO₂)
- + Desarseniation (As)
- + Decadmiation (Cd)
- + Defluoration (F)

TECHNOLOGIES ASSOCIATED TO PHOSPHORIC ACID PRODUCTION

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

CHEMICAL BENEFICIATION

- + GetMoreP Upgraded Rock
- + Ecophos Upgraded Rock
- + Mg Leaching

SERVICES

- + Licensing
- + Lab & Pilot Tests
- + Semi Industrial Validation
- + Training
- + Site Services
- + P2Gether Plant Performance Optimization
- + Technical Surveys



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