

Phosphogypsum: From Industrial Liability to Untapped Opportunity

Project Idea	Converting phosphogypsum from an industrial liability into standardized, marketable products through a scalable process.
Organization name, town and country	Fertilizer Research Ltd. Omer, Israel 
Addressed topic(s)	HORIZON-CL4-2026-01-MAT-PROD-04 – Optimise the usage of resources in a circular economy (RIA) HORIZON-CL4-2026-01-MAT-PROD-12 – Technologies for innovative extraction of critical raw materials (RIA)



Fertilizer Research Ltd.

Where mineral innovation becomes industrial reality



Business Support on Your Doorstep



Core Expertise

- Tailored innovative solutions
- Process, Yield and quality optimization
- Operational excellence
- Waste treatment

Technologies expertise

- Salt Crystallization
- Ion exchange technology
- Flotation and separation technologies
- Mining, beneficiation, mineral upgrading, processes

We turn mineral science into scalable, profitable industrial solutions.

With decades of hands-on chemical industry experience and seniors' expertise in potash, flotation, mining, and phosphoric acid processes, we bridge advanced research with real-world implementation—from lab to plant.

Phosphogypsum: From Industrial Liability to Untapped Opportunity

Develop a process that converts phosphogypsum from waste into standardized products, enabling circularity in the phosphate industry

Why we expect it to succeed

- Simple process
- Scalable Solution
- Cost effective
- Market ready products

From Concept to Deployment

- Strong partner consortium
- Shared capabilities & deployment focus
- Structured, controlled process
- Pilot demonstration
- Semi-industrial scale-up





Let's Build the Consortium Together

Industrial partners -

scale-up & deployment

- Phosphogypsum stacks holders
- EPC partner for pilot & semi-industrial trials.

Research & technical competences

- Process chemistry experts for Phosphoric acid / fertilizer or impurity management in chemical industry
- Analytical labs for full characterization

Regulatory & impact partners

- Environmental/regulatory specialists for permitting, EHS, and end-of-waste pathways in the EU
- LCA/TEA experts to quantify benefits and strengthen the business case (circularity, carbon and cost impacts)



Contact details

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