Product factsheet

P-Agro Minerals

Hardware product or technological device



Description

We develop the Letonite Filter System, a modular, end-of-pipe, retrofit filtration system installed at the final discharge point of wastewater treatment plants, powered by our proprietary mineral-based filter material, Letonite.

The system:

- removes **≥90–95% of residual phosphorus** in continuous flow
- enables **compliance with EU discharge limits**
- operates **without chemical dosing or sludge generation**
- Retrofit solution with **phosphorus recovery for agricultural reuse**

Compared to conventional solutions, it:

- ensures compliance with phosphorus discharge limits
- eliminates chemical dosing and simplifies operations

- installs as a retrofit solution (no plant redesign)

Letonite Filter System can be applied as an alternative to chemical phosphorus removal or as a polishing step after existing treatment.

Target audience

Wastewater treatment plants, Industrial companies, other

Actors, their roles and interactions

Open for Collaboration

We're seeking forward-thinking industry partners (**small to medium scale industrial/municipal wastewater treatment plants (WWTP) or service and solution providers**) to collaborate on pilot projects and demonstrations in wastewater treatment and phosphorus recovery.

We’re also open to partnerships focused on recovering phosphorus from diverse waste streams for the production of high-value, renewable, phosphorus-enriched soil amendment

Unique selling points

Adaptable filtration system for guaranteed phosphorus removal in wastewater treatment plants, ensuring compliance with discharge limits in real operating conditions.

Retrofit solution with phosphorus recovery for agricultural reuse.

Technology applied by the product

- **Resource for Circular Economy**

Related tags

wastewater | phosphorus recovery | fertilizer

Downloads

The following file can be downloaded from the online page of the product: https://mp.watereurope.eu/d/product/75

- P-Agro Minerals