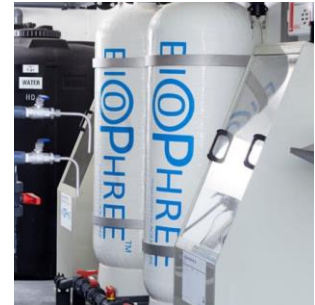
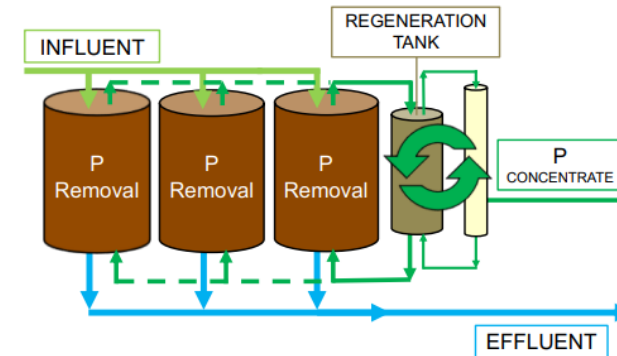


Reversible P adsorption for ultra-low P removal pilot testing in Water Mining

Technology

- Adsorption on Fe-based adsorbents to remove P from 1-2 mg/l to **< 40 ppb**
- Inline **regeneration of the adsorbent**
- Production of liquid P fertiliser product
- Scale: 1 m³/h capacity



Case study: Larnaca, Cyprus

- Removal of P from effluent from sewage sludge treatment to < 40 ppb
- Pre-treatment for desalination
- 1 year of operation
- P removal for:
 - Prevention of biofouling in irrigation system and desalination
 - Prevention of algae blooms in storage lagoon

Case study: Llagosta, Spain

- Removal of P to < 40 ppb from effluent anaerobic sewage treatment
- Pretreatment for water reuse
- 1 year of operation
- P removal for:
 - Prevention of biofouling in case of industrial water reuse (cooling towers)
 - Prevention of eutrophication if discharged to surface water

Water Mining

- 38 partners, 12 countries
- 5 case studies
- Resource recovery & new water services from:
 - Desalination
 - Urban waste water
 - Industrial waste water