



Recycle - Recover - Reuse
From Circular Thinking to
Energy Independence

3R-BioPhosphate Ltd. - Investment Teaser



3R-BioPhosphate Ltd., established in 1989, is a technology-intensive, innovation-driven company **specialized in the development and industrialization of high-value biomass upcycling solutions.** **ABC-BioPhosphate** offers a **future-proof, high-yield investment** in **sustainable fertilisers, water-treatment adsorbents, and renewable bioenergy sectors.**

Leveraging the field proven 3R Zero Emission Pyrolysis Technology, the company **converts food-grade by-products into premium, contaminant-free fertilisers, advanced adsorbents, and renewable energy, generating multiple revenue streams and supporting a circular, zero-emission bio-economy.**

Key Highlight

- **Rapid ROI & low-risk investment:** Conservative CAPEX/OPEX, short 3–4 year ROI cycles, and proven, field-tested technology.
- **Circular economy & sustainability:** Transforms unexploited biomass into high-value products, restores soil fertility, supports regenerative agriculture, reduces carbon footprint, and contributes to EU Green Deal and global climate goals.
- **Global market potential:** Targeting EU27, UK, USA, Australia, and Japan major markets, adaptable to diverse climates, soils, and industrial conditions.
- **Scalable & flexible business models:** Industrial-scale replication through licensing, joint ventures, full assembly, hybrid models, and integration with regional distribution networks, cooperatives, and producer organisations.
- **Triple market applications:**
 - High-value bio-fertilisers for sustainable agriculture.
 - Advanced green water-treatment adsorbents for industrial, defence and municipal use.
 - Renewable bioenergy, including surplus electricity for on-site or grid integration.
- **Regulatory compliance & certification:** Fully compliant with Reg. EU 2019/1009 (FPR), REACH, and US, UK, AU, JP agricultural, industrial and environmental norms and standards that ensuring global market access and credibility.

Investment Opportunity:

Seeking €30M to scale 3R technology globally at industrial capacity (20,800 t/y) by 2026, with 10 full project replications planned by 2030 — unlocking high-margin, sustainable revenues in fertilisers, bioenergy, and water-treatment green market sectors.

How does IP protection secure licensees against competition?

The 3R technology is an **original, deep-tech solution** underpinned by a **360-degree, multi-layer IP strategy**, protecting the core invention against global competition. This ensures **lasting market advantage, commercial defensibility, and a strong competitive moat** for decades. Combined with **strategic partnerships** and **circular economy applications**, this IP framework provides **robust protection** and positions licensees at the forefront of **sustainable fertiliser, water-treatment, and bio-based materials markets**.

Key protective layers

- **Documented know-how:** Every process is safeguarded with secure backups, ensuring operational continuity and reliability for licensees.
- **Engineering protected:** Proprietary control systems to keep operations secure, efficient, and resistant to unauthorised replication.
- **Trade Secrets:** Confidential formulations, process parameters, and operational methods ensure licensees maintain a unique competitive advantage.
- **IP Enforcement & Monitoring:** Legal and technical mechanisms detect and prevent.
- **Team Stability & Knowledge Retention:** A stable, experienced team safeguards critical technical know-how, with succession planning and structured SOPs ensuring secure, transferable expertise and continuity across markets.

What strategic advantages drive long-term growth and market leadership?

- **Proven scalability:** Field-tested methods and flexible design allow rapid deployment across diverse markets, ensuring high-quality, contaminant-free outputs.
- **Multiple revenue streams and market creating innovation:** Fertilisers, water-treatment green adsorbent products, and renewable bioenergy generate complementary income sources.
- **Circular economy integration:** Aligns with global sustainability trends and regulatory agendas, enhancing market relevance.
- **Strong partnerships and networks:** Industrial collaborations, cooperatives, and producer organisations accelerate market adoption.
- **Future-proof positioning:** Reduces dependency on fossil-based inputs and aligns with climate-smart agriculture and water treatment initiatives.

Value proposition for Investors and Partners

- Enter **fast-growing, strategically critical markets** with **minimal R&D risk**.
- Generate **diverse revenue streams** from fertilisers, water-treatment products, and renewable bioenergy.
- Contribute to **environmental, economic, and social impact** while ensuring **long-term profitability**.
- Participate in **scalable, license-based global deployment**, positioning partners at the forefront of the **circular economy, sustainable agriculture, and renewable energy transition**.



**Food grade
bone grist**

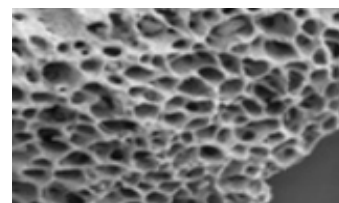
Un-exploited biomass
resources



3R Technology

**Zero emission and
energy independent
pyrolysis.**

Operates at 850°C.



**Animal Bone Char
BioPhosphate**

Bio-fertilizers
Green Adsorbents
Green Ammonia
Green Energy

**Growing Nature,
Closing Cycles,
Opening Markets**



3R Bio-Phosphate Ltd. • Edward Someus

biochar@3ragrocarbon.com • edward.someus@gmail.com

<https://biophosphate.net> • Teams: edwardsomeus

3R-BIOFARM Upcycling Center: <https://3rbiofarm.com>

