



Mediterranean algae

BlueBiotech in action

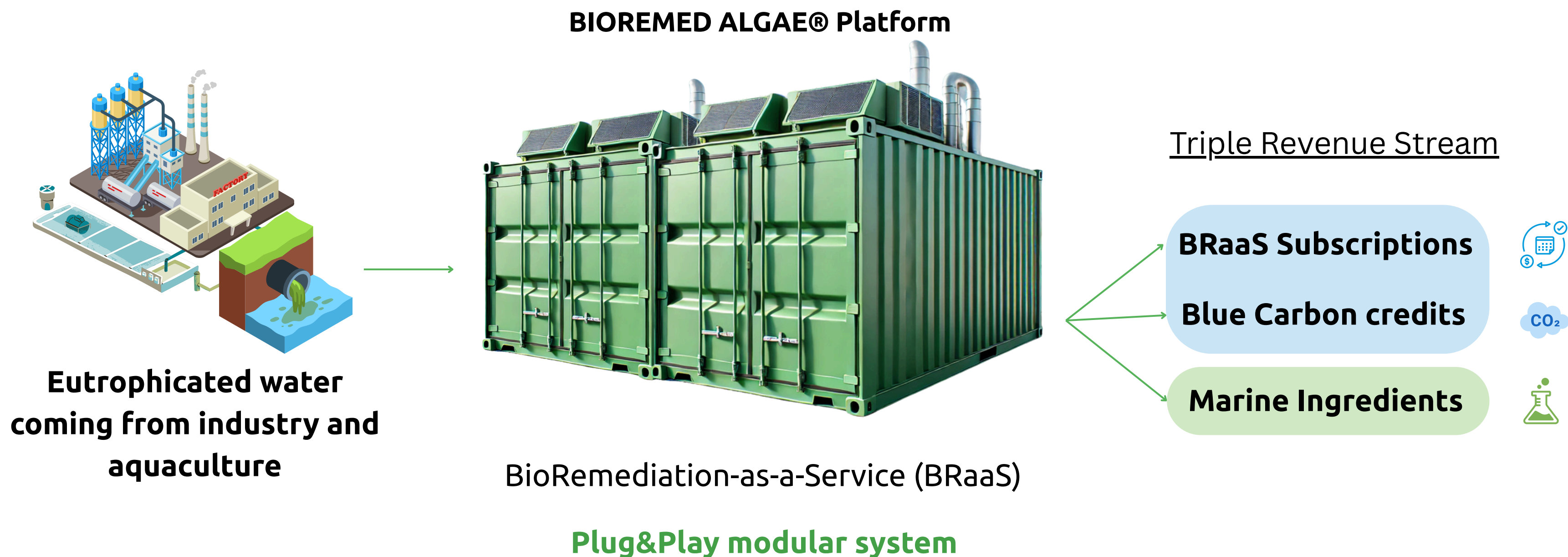
The AI of Water Treatment. Governance, Revenue, and Scale for the
Climate Era



**Water Pollution and Eutrophication:
a €8.1B problem with no value recovery**

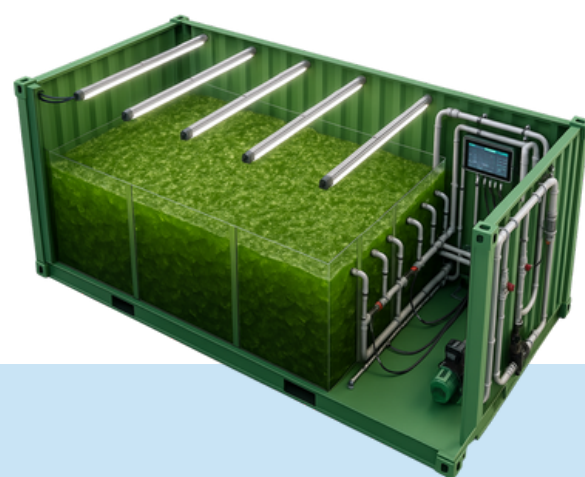


Upcycling: Making Water Treatment profitable



We transform water treatment from a cost center into a revenue-generating platform

BRaaS: Circular water treatment system



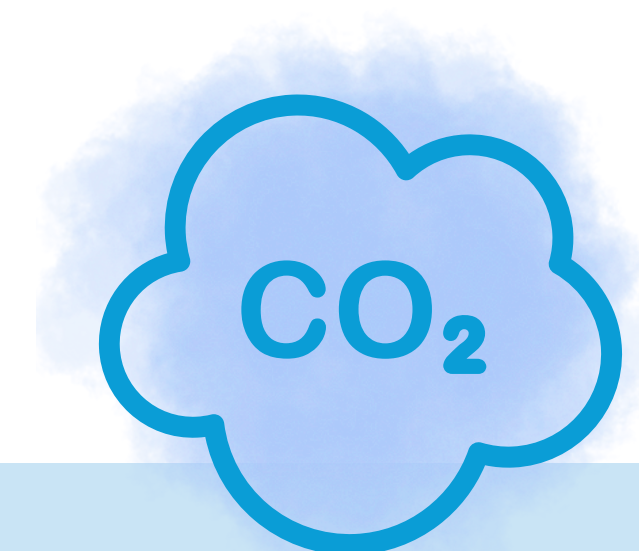
- **Biological Filter** to Remove Pollutants
- **Easy integration** with existing systems
- Drastic Reduction of **N, P and Heavy Metals**
- ESG & Compliance Tool

Patented innovation



- **Dynamic monitoring:** Sensors + AI track pollutants
- **Smart routing:** Our algorithms channel N, P and CO₂ to the optimal output
- **Full control:** Client dashboard to visualize and optimize operations

AI-driven optimization



- **250kg of dissolved oxygen** annually per module
- **12 tons of carbon captured** annually per module

Certified methodology

The result: Compliance and water treatment become a profit center, not a cost

BRaaS: WHO pays and WHY now

Industries facing rising compliance pressure are turning to regenerative water treatment.



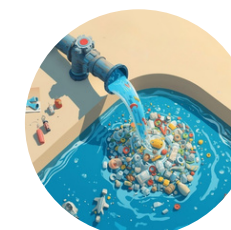
Ports



in-land fish farms



Marinas



Coastal industries

Typical Fines



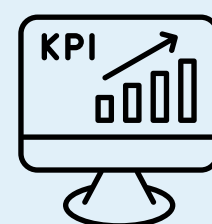
Fines **between €100–300k/year** for exceeding nutrient discharge limits

EU enforcement tightening under the **Water Framework Directive**

Compliance failures persist = fines persist

Non-action is already EXPENSIVE

Required KPIS



Total Nitrogen & Total Phosphorus

% nutrient removal

CO₂ captured (**Blue Carbon**)

Effluent quality KPIs for **licence renewal**

Ports & farms must report measurable impact

Cost of Inaction



Fines + regulatory escalation

Operational disruptions

Reputational impact (tourism, authorities, stakeholders)

Delay = **higher future costs**

Regulation gets stricter every year. Costs rise

Why Choose BIOREMED



Cuts compliance costs: eliminates fines and penalties

Replaces **chemical** treatment

Unlocks **new revenue** by certified **CO₂ credits**

Improves **ESG scores** and strengthens licence renewals and trust

Predictable OPEX vs rising chemical/energy costs

BRaaS: Market opportunity & Scale potential

Ports and coastal industries face rising EU regulatory pressure to measure and mitigate nutrient discharges, creating a €1B European opportunity for verified nature-based water treatment

Ports & Marinas:



 TAM = **60M €** (400 modules)

46 Comercial Ports +290 Marinas = **+330** installations

 TAM = **500M €** (2000 modules)


1.200 Comercial Ports +5.000 Marinas = **+6.200** inst.

 TAM = **3.000M €** (10.000 modules)


5.000 Comercial Ports +25.000 Marinas = **30.000** inst.

Land-based Aquaculture




 TAM = **10 M €**

65 land-based farms

 TAM = **30M €**




+180 **mediterranean** landbased aquaculture farms

 TAM = **2.000 M €**

+ 2.500 RAS fish farms, raceway aquaculture...

A Blue Ocean between water treatment and carbon markets, driven by regulation and sustainability mandates

BRaaS: Pre-commercial pipeline 2026-2028

| 2025: MVP | 2026: Ports & Marinas | 2027: Coastal industries & aquaculture (+International Ports & Marinas) |
|---|---|--|
|  <p>validation</p> |  <p>revenue = +430K €</p> |  <p>revenue = +1.3M €</p> |

From ports to fish farms, Coastal industries are adopting BIOREMED ALGAE as the new standard for sustainable water management, turning compliance into opportunity

Marine Actives: B2B ingredients



Marine biotechnology allows us to transform algae into cosmetic actives with high functional value.

Actives Functionals Essentials

Ulvanean®



By applying blue biotechnology, we transform this natural potential into premium ingredients that combine proven efficacy, plant origin, and sustainability.

glycaid®

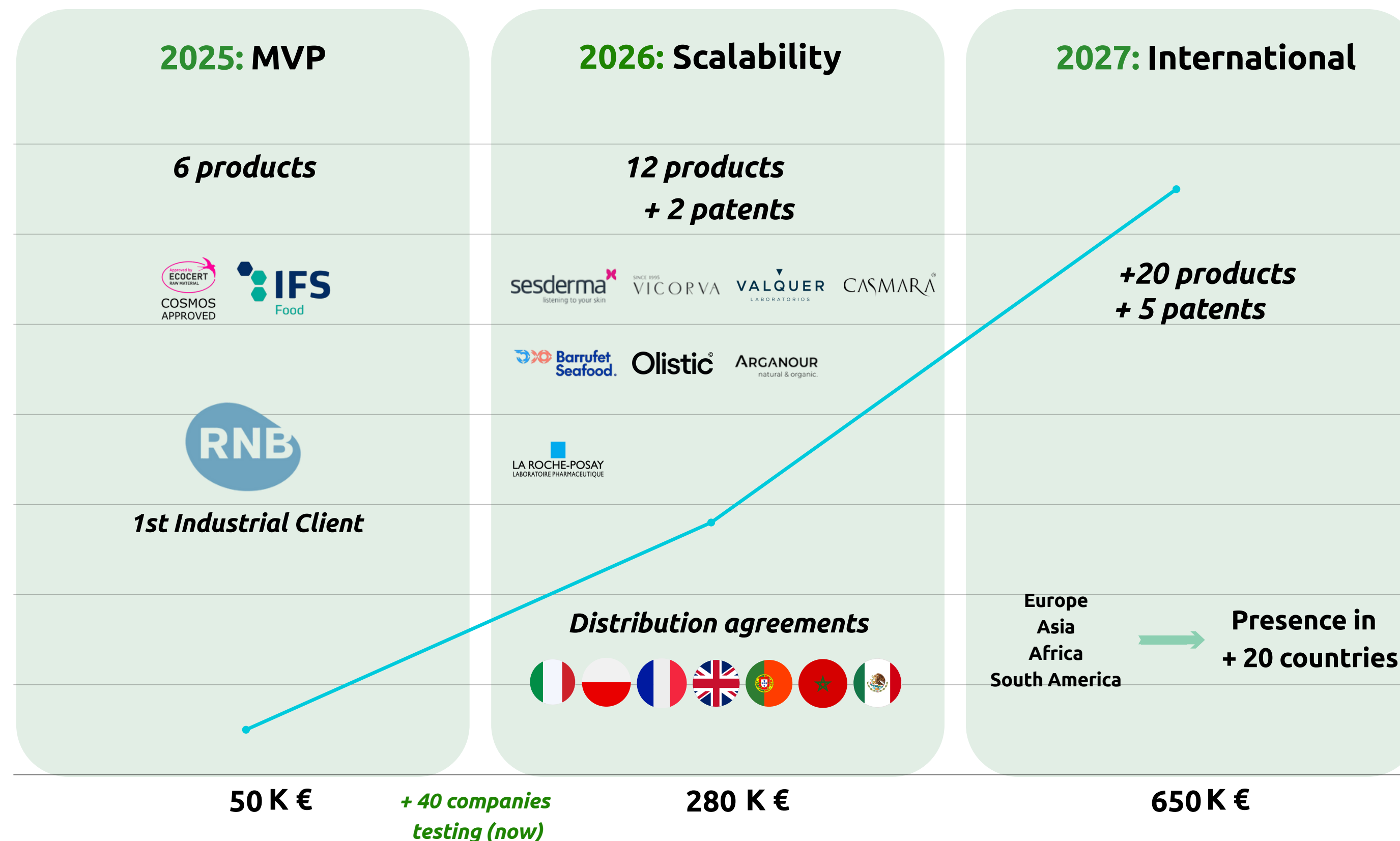


Obtained from Mediterranean macroalgae, our concentrated extracts provide bioactive compounds with nutritional and immunomodulatory functions.

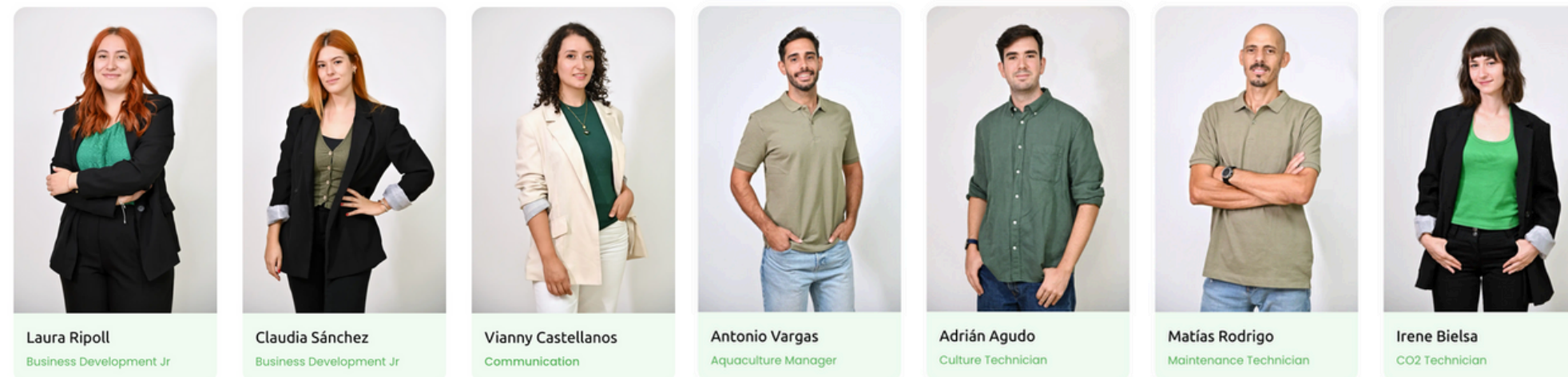
Ulvamax Algadent+ Ulvadine

A margin enhancer and circularity engine that uses the captured biomass to create high-value products.

Marine Actives: Commercial Pipeline



Founders & Team

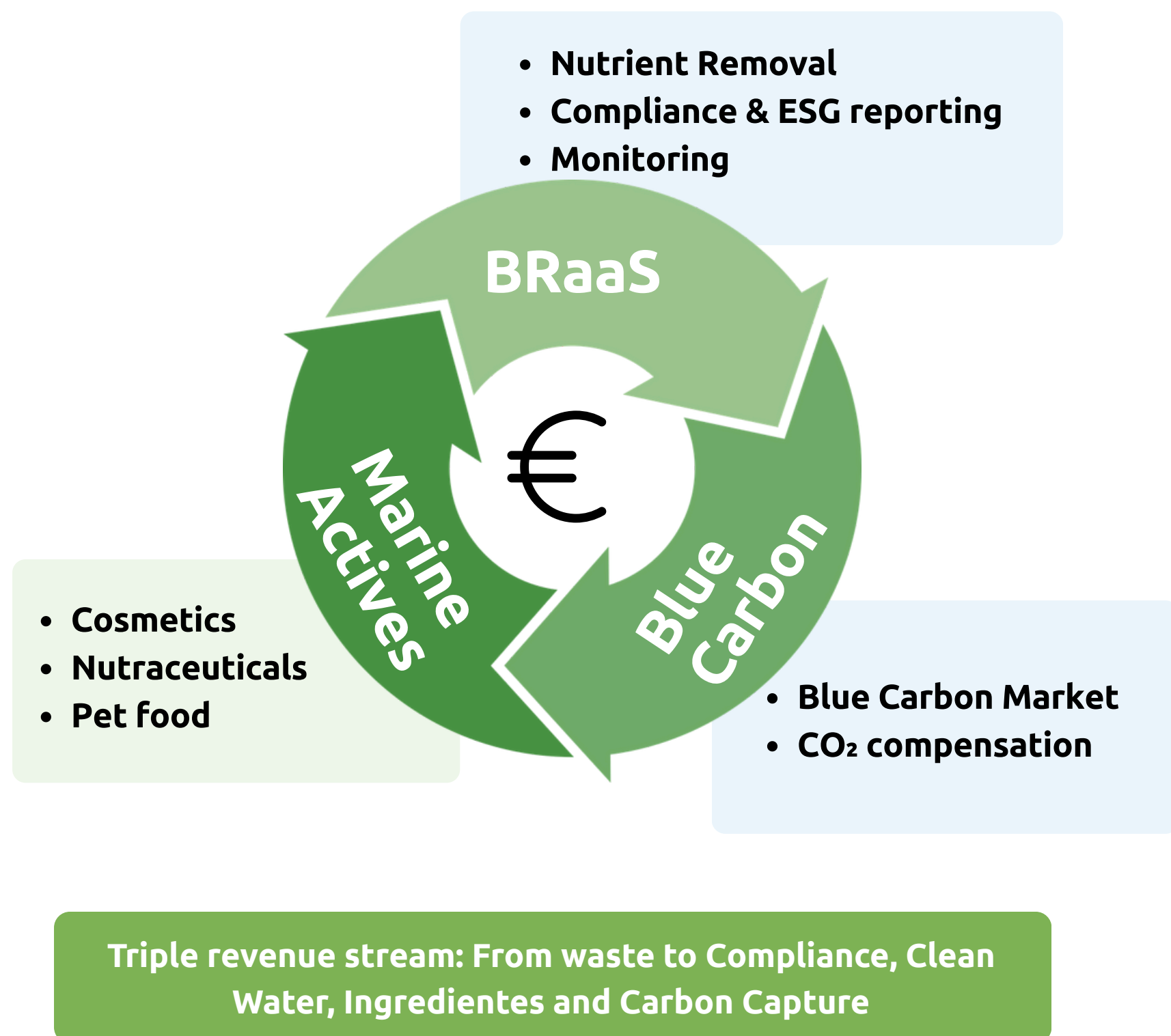


17+ professionals committed to save our seas
Hiring 5+ new profiles in 2026

An Advisory Team That Delivers



Business Model: Circular Revenue Machine



BraaS Subscriptions

- **€150K yearly revenue/each**
 - Monthly **recurring revenue** model:
 - **€75.000** (Initial fee) + **€8.000** (monthly fee)
 - OPEX: **€2.000/month**
 - CAPEX: **€75.000**
 - Payback: **3 months**
 - Gross Margin: **65%+ at scale**

Carbon credit sales

- **Certification and sale of verified blue carbon credits** from CO₂ capture and nutrient removal

Marine Actives ingredients

- **Biomass valorized into ingredients** for cosmetics, nutraceuticals, feed and other industries

Fundraising Overview: a Strong Foundation

€1.5M dilutive capital + €2.1M grant = €3.6M growth capital

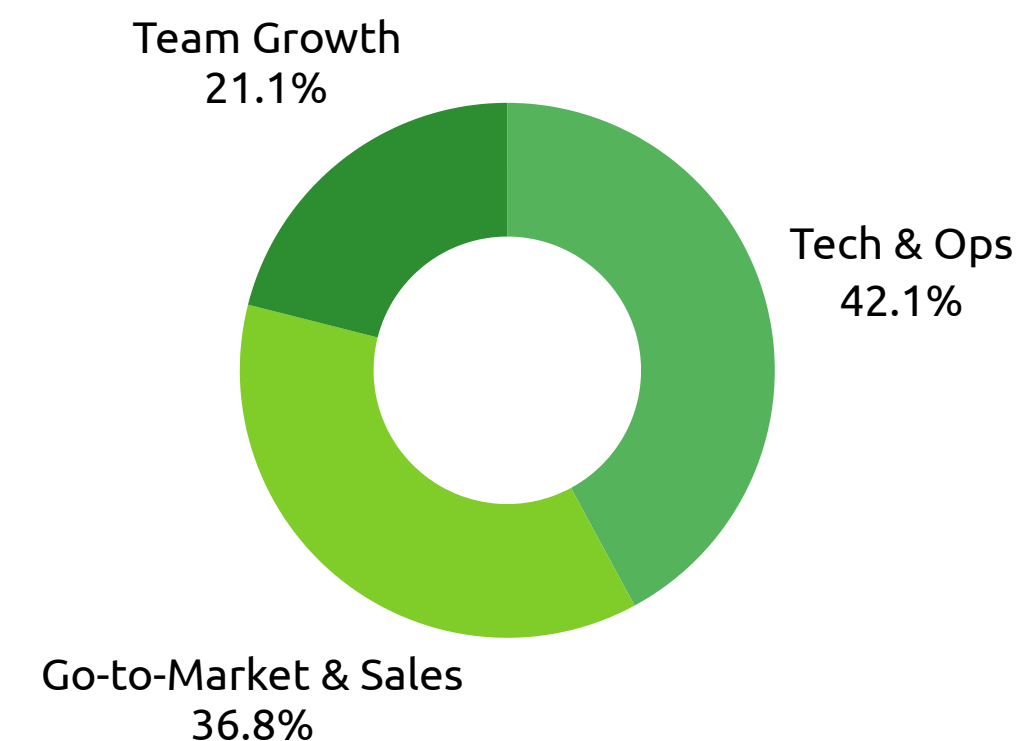
Bridge Round

- Raising **1.5M €**
- **6.5M €** Pre-Money **valuation**
- **+800K** → Revenue 2026
- **Q2 2026** → Timeframe
- Climate Funds, European VCs, Existing Shareholders...

Our Goals

BraaS → Optimize **Tech Specs**
Marine Actives → **Commercial Traction**
Scale-up → Senior team and **Expansion**

Use of funds



This €1.5M Seed+ round is the inflection point:

it takes us from TRL7 to TRL9, with the first 3 industrial clients contracted and a €2.1M public co-financing that derisks execution.

Validated by Leading Institutions





Mediterranean
algae

yagosierras@mediterraneanalgae.com

+ 34 655 815 216

BRaaS: Tech Roadmap

2025:

Functional MVP real enviroment

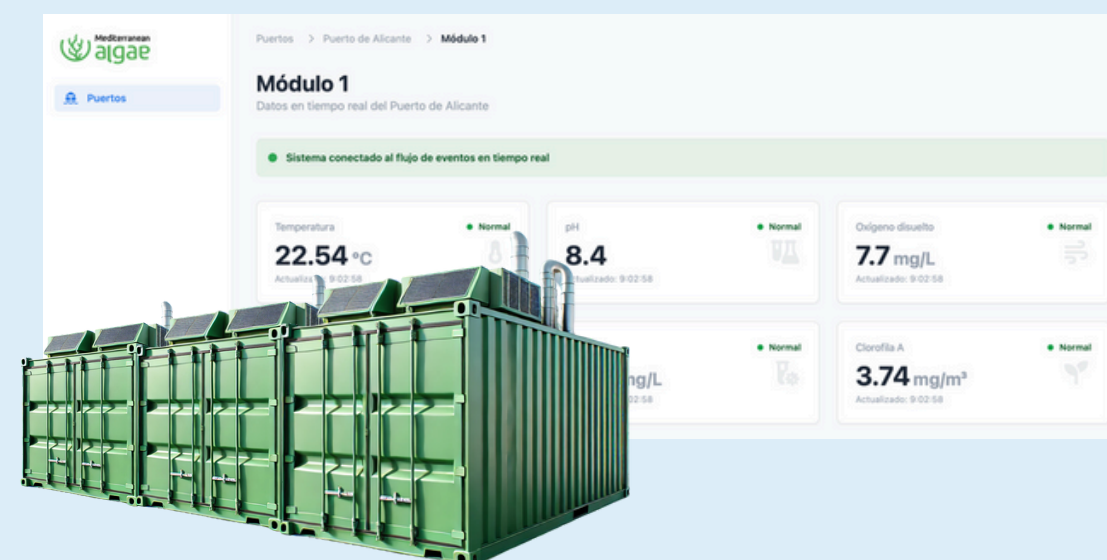


- **6.000L/hour**
- External data platform
- Dashboard first draft
- **55% Nitrogen** Removal
- **65% Phosphorus** Removal
- **1T/year CO2** removed



2026:

Biological & Engineering Optimisation



- Up to 60.000L/hour (**x10 water flow**)
- **12T/CO2** captured / year / module
- **Corporate data platform** in AWS
- **Advanced analytics** with **AI** to predict optimal time for algae harvesting and prevent eutrophication
- Up to **80% nutrients removal**
- **Aquaculture** industry

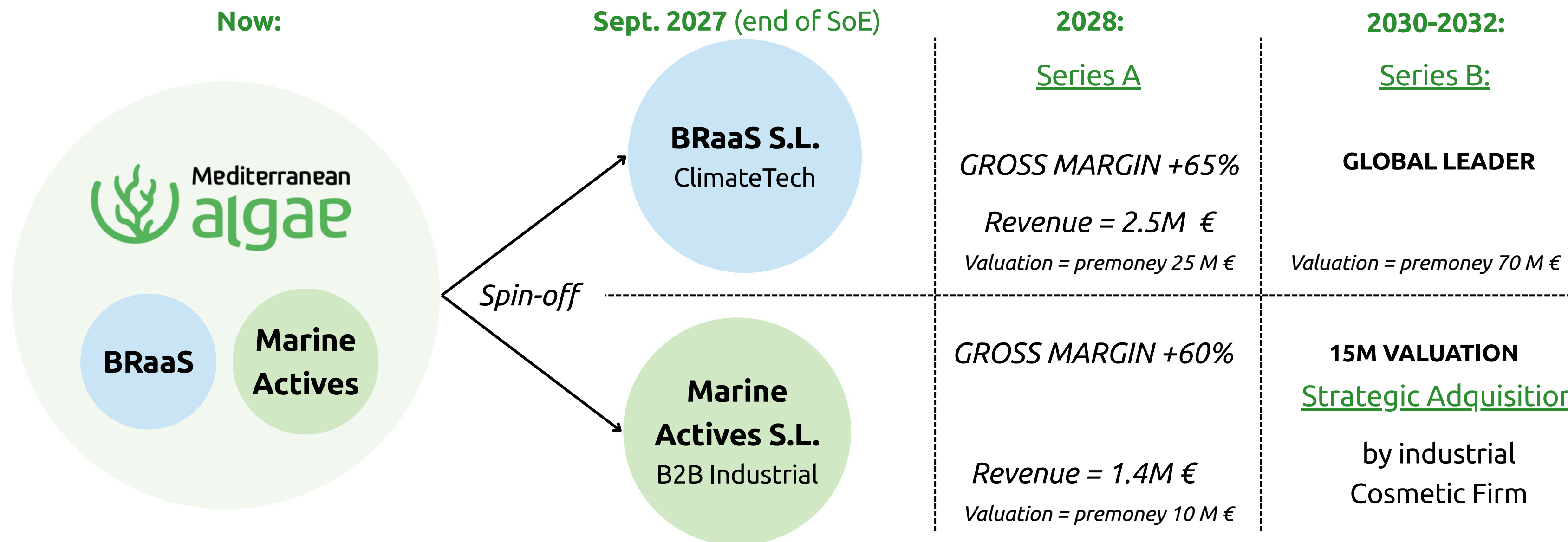
2027:

Process Optimisation & Remote Observability







- **Horizontal** and **vertical scaling** of the module
- Biological optimisation for **fresh water**
- **Image** and **video processing** with **AI** to remotely assess algae health and status within the modules
- **Digital twin** of the module to simulate and optimize implementations for new clients

Road to 2028: Spin-off and exit strategy



WHY we SPIN-OFF: BRaaS behaves like climate infrastructure and Marine Actives behaves like biotech. Together, they dilute each other's valuation. Separately, they unlock full market value and attract two different types of investors.

Fundraising Overview: Leveraging Public Support

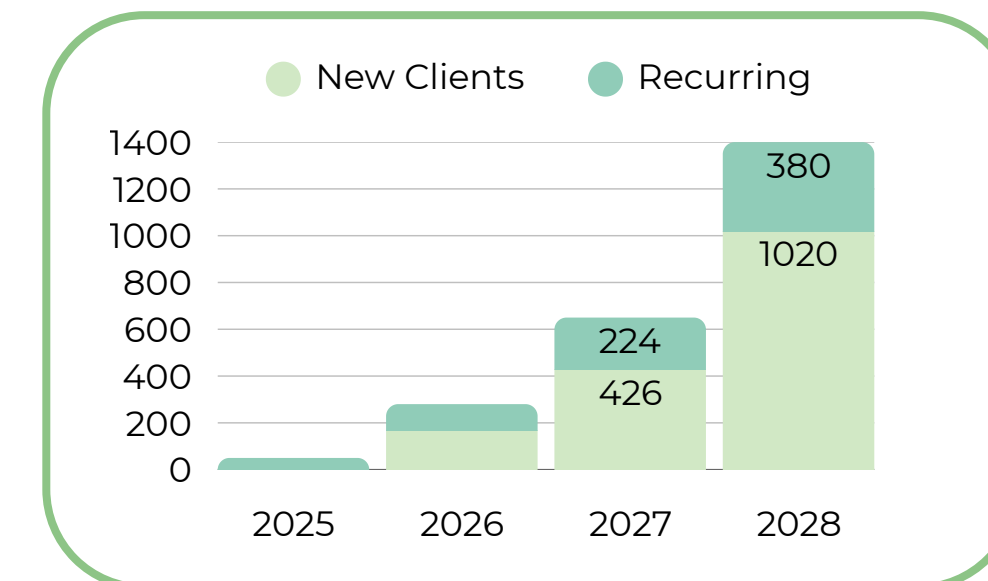
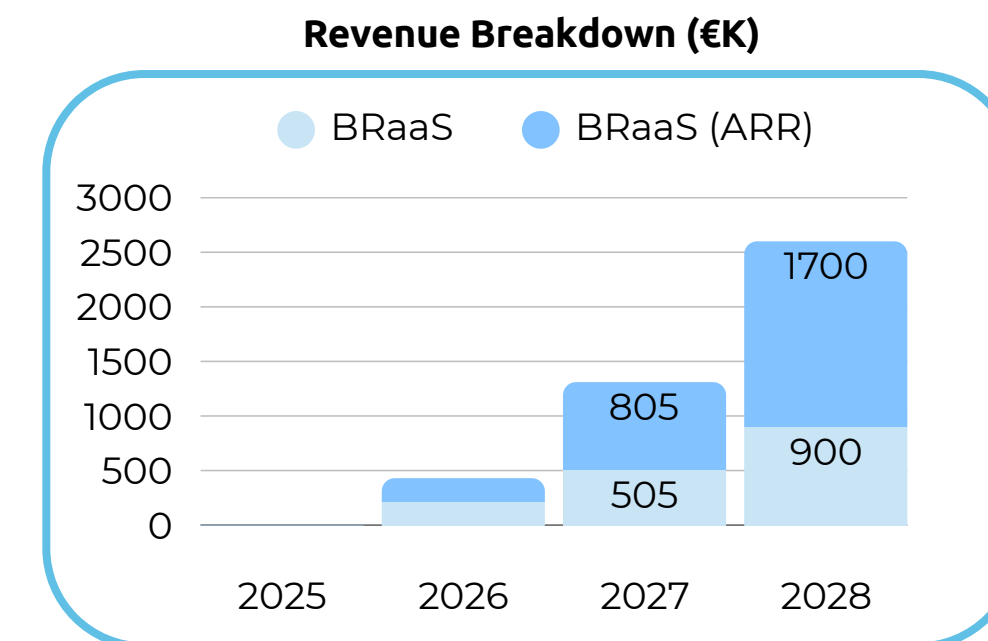
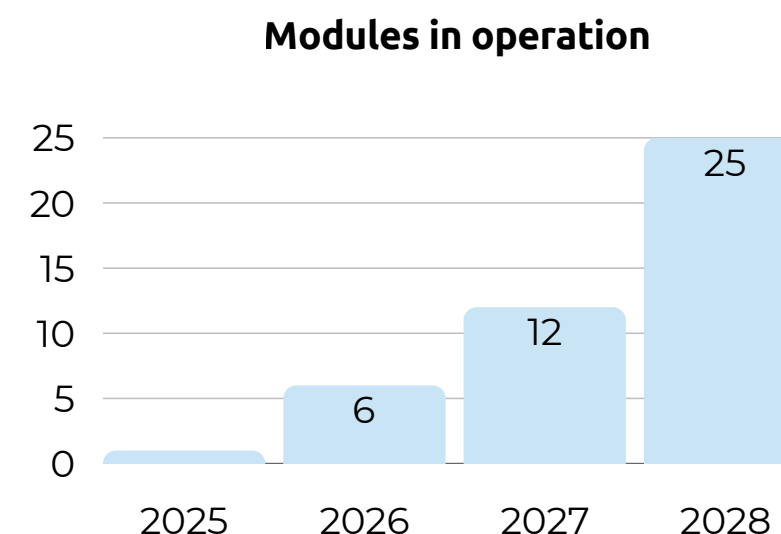
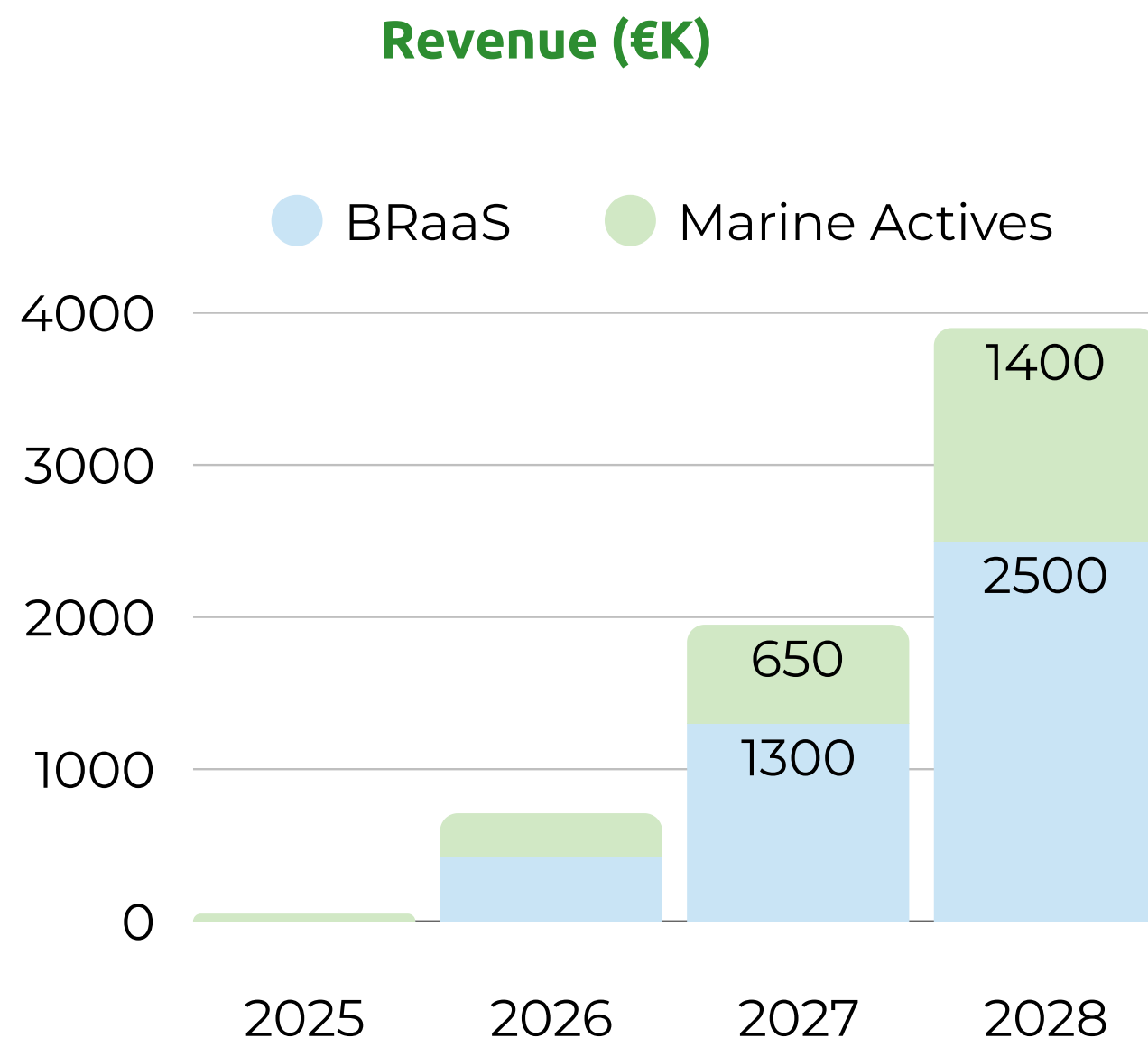
| | 2025 | 2026 | 2027 |
|--|---------------|----------------|---------------|
| Seal of Excellence (SoE)  | 257K € | 1.2M € | 643K € |
| Regional Grants  | 155K € | 180K € | 180K € |
| Tax Lease  | 50K € | 235K € | 66K € |
|  | 8K | - | 600K € |
| TOTAL | 470K € | 1.62M € | 1.5M € |

2028 - 2030



Over 70% of our total funding is secured through competitive grants and innovation programmes, dramatically **reducing** execution risk and **multiplying** investor ROI

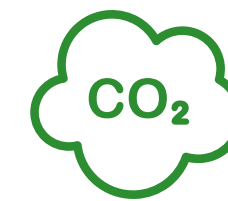
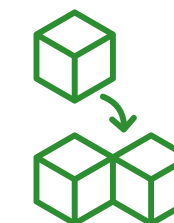
Road to 2028: Financial milestones



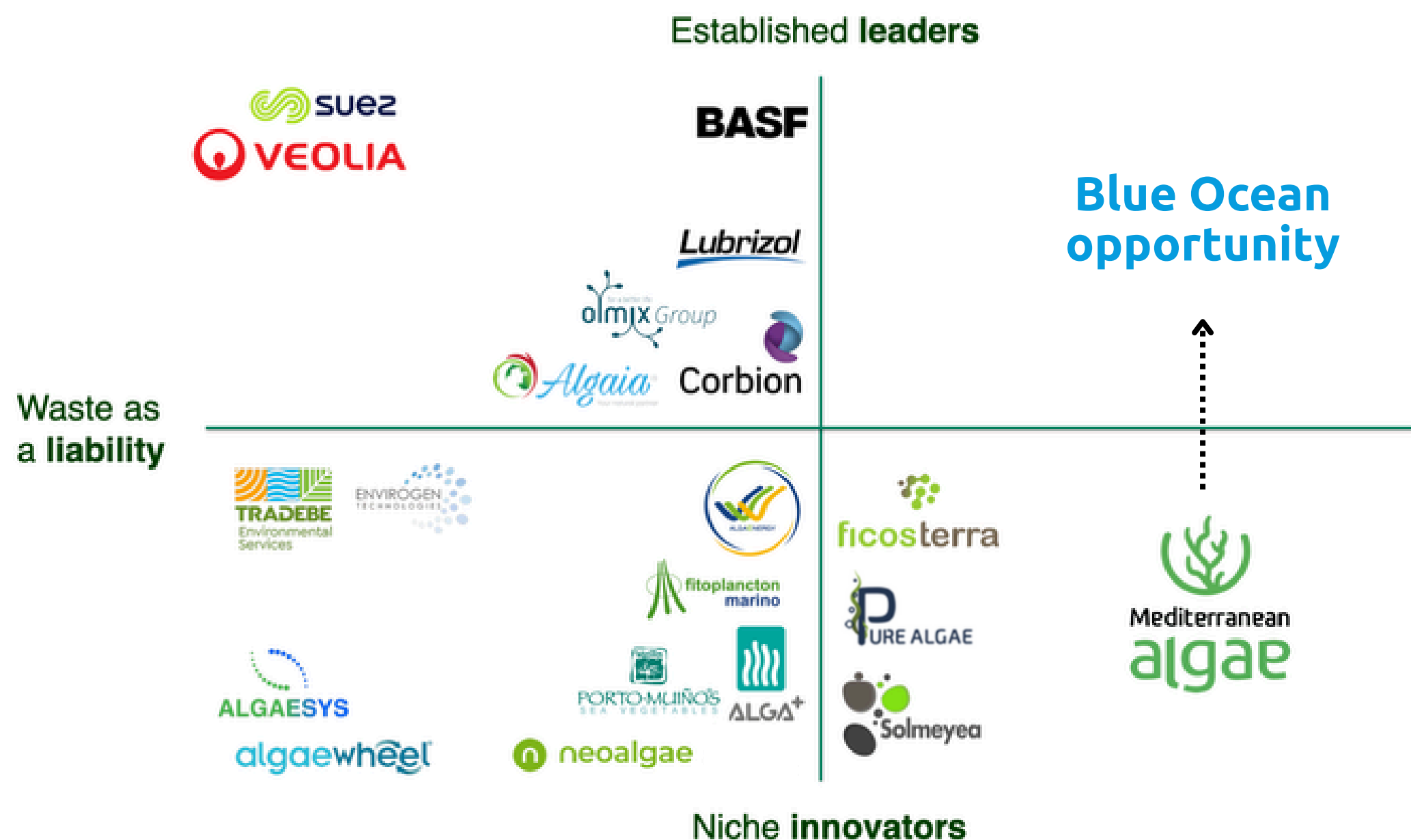
Marine Actives business model will be self-supporting by the end 2026. Corporate breakeven expected by the end of 2027

BRaaS: Our advantages

- Certified **Blue Carbon** methodologies
- **IP-protected Technology**
- Multi-year **BRaaS subscriptions**
- Industrial **partnerships**
- Regulatory **compliance moats**
- **Plug&Play modularity**



Competitive landscape



Established Leaders

Mature, linear operations:

- Sell a **Service** (Veolia/Suez): Paid to treat a liability
- Sell a **Product** (BASF/Lubrizol): They buy purified raw materials

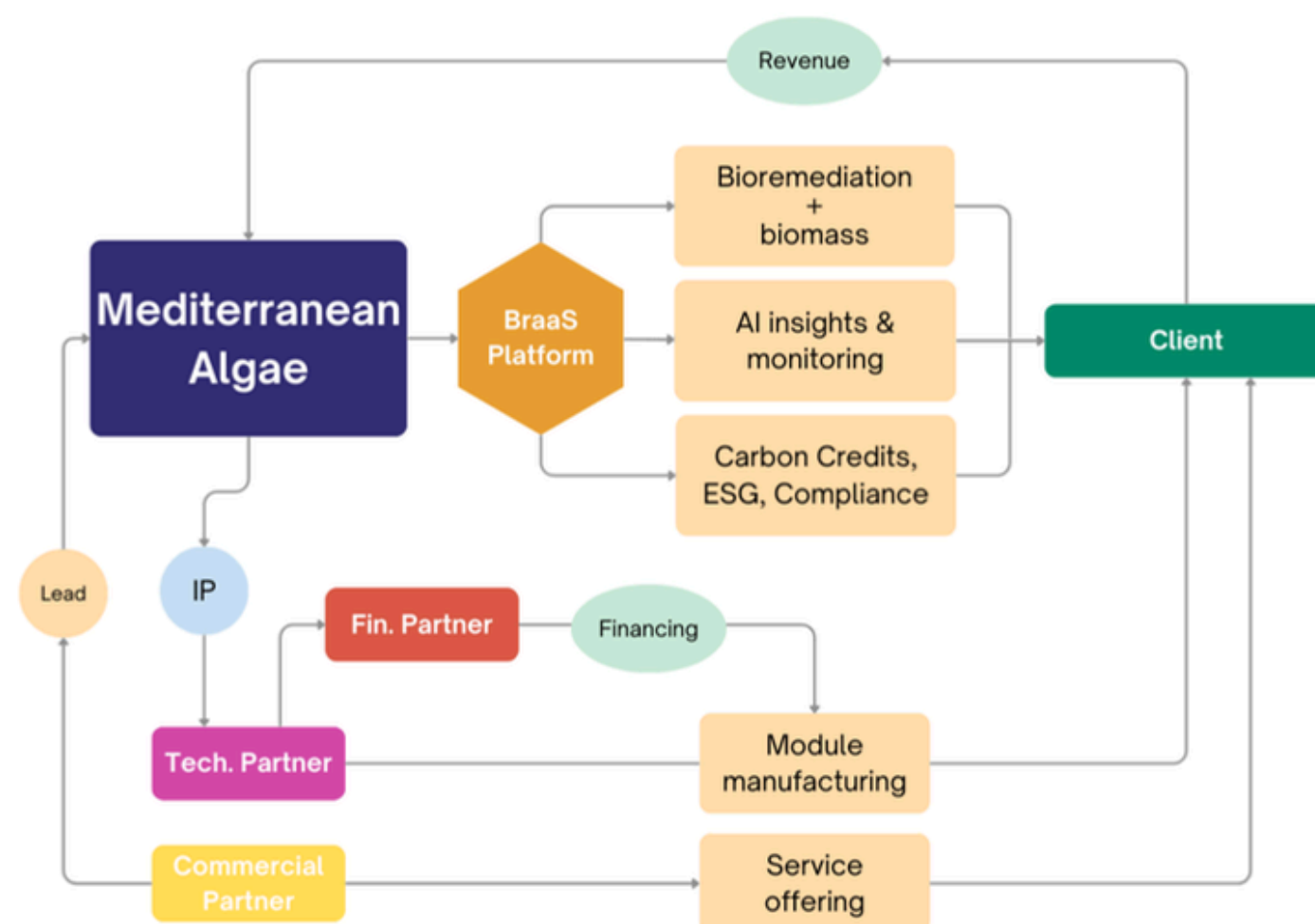
Niche innovators

- Innovative, but they compete on the same linear model:
- Also sell either a **service** or a **product**

The established market: waste as a liability

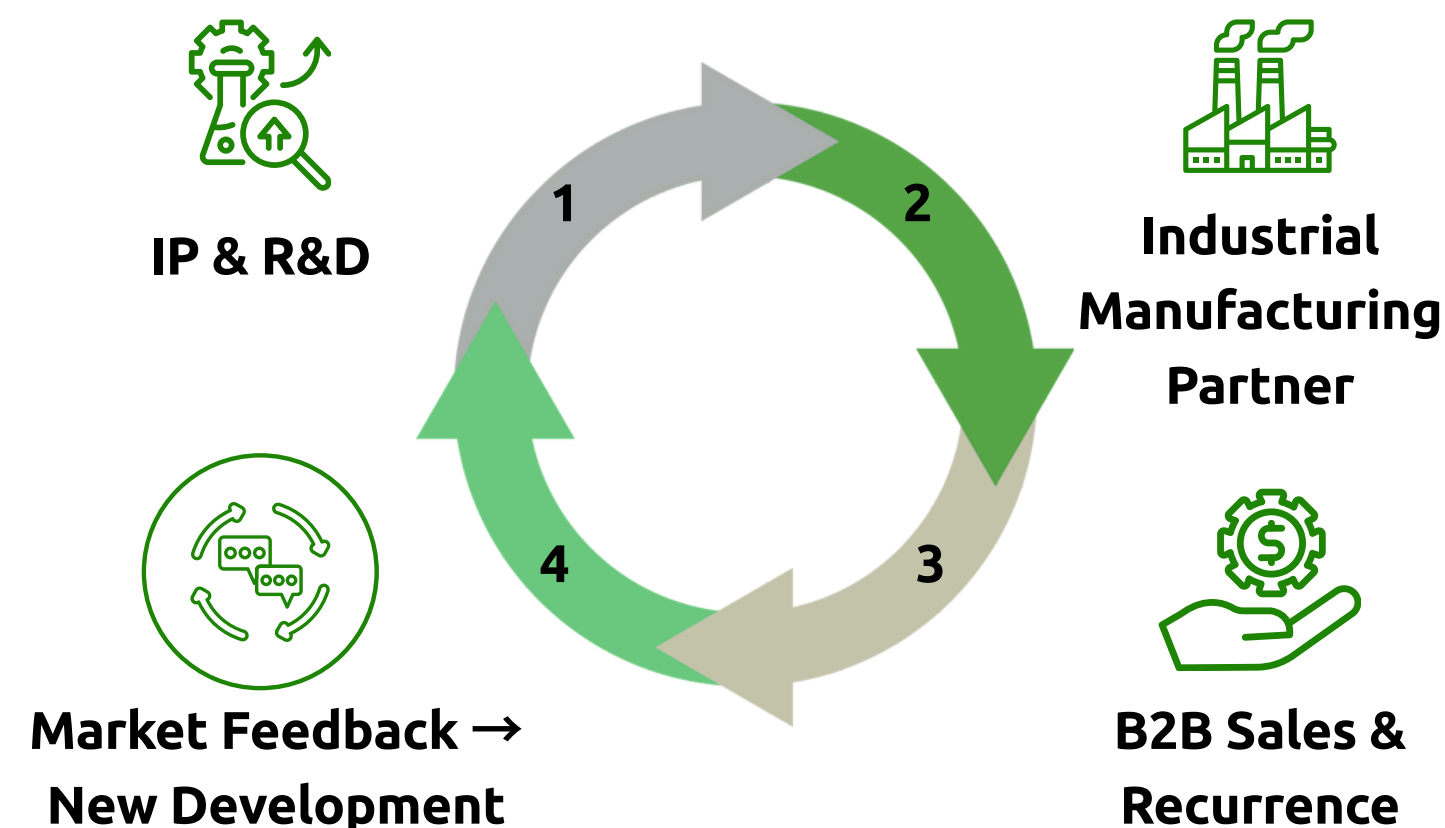
Road to 2028: Capital-Efficient Growth Model

Lean BRaaS



- **On-demand** Manufacturing
- **Client-Financed** Deployment
- **Recurring Revenue** Model

Lean Marine Actives



- **On-demand** Production
- **Long-term** Client relations
- **Global Distributor** Network