XOMA

# CLAS

## Closed Loop Aquaculture System


www.xoma.se

At Xoma AB, we redefine land-based macroalgae farming with cutting-edge technology and a commitment to sustainability. Our advanced, modular CLAS technology optimize growth conditions for nutrient-rich algae, serving industries like food, cosmetics, and pharmaceuticals. Partner with us to grow smarter, cleaner and greener.

# CLAS Technology:

## Revolutionizing Sustainable Algae Cultivation

Xoma AB's Closed-Loop Aquaculture System (CLAS) sets a new standard in sustainable, land-based macroalgae farming. Our modular, scalable technology allows us to customize cultivation operations precisely to client needs. By maintaining controlled, toxin-free growing environments, we guarantee safe and superior algae products for diverse applications across the globe.

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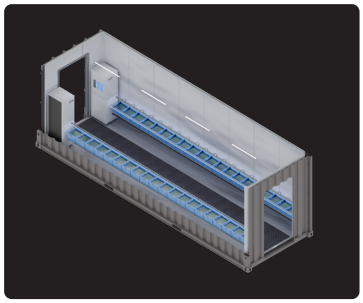
**The CLAS advantage**

- **Closed-Loop System:**
  Reduces water usage through recirculation.
- **Precision Control:**
  Optimized light, temperature, nutrients, and $CO_2$ levels for year-round production.
- **Modular Design:**
  Easily scalable to meet market demand, from small-scale facilities to industrial applications.
- **Versatile Applications:**
  Ideal for industries like food, cosmetics, pharmaceuticals, and bioplastics.
- **Eco-Friendly Production:**
  Ensures toxin-free, organic algae, avoiding heavy metal contamination common in ocean farming.

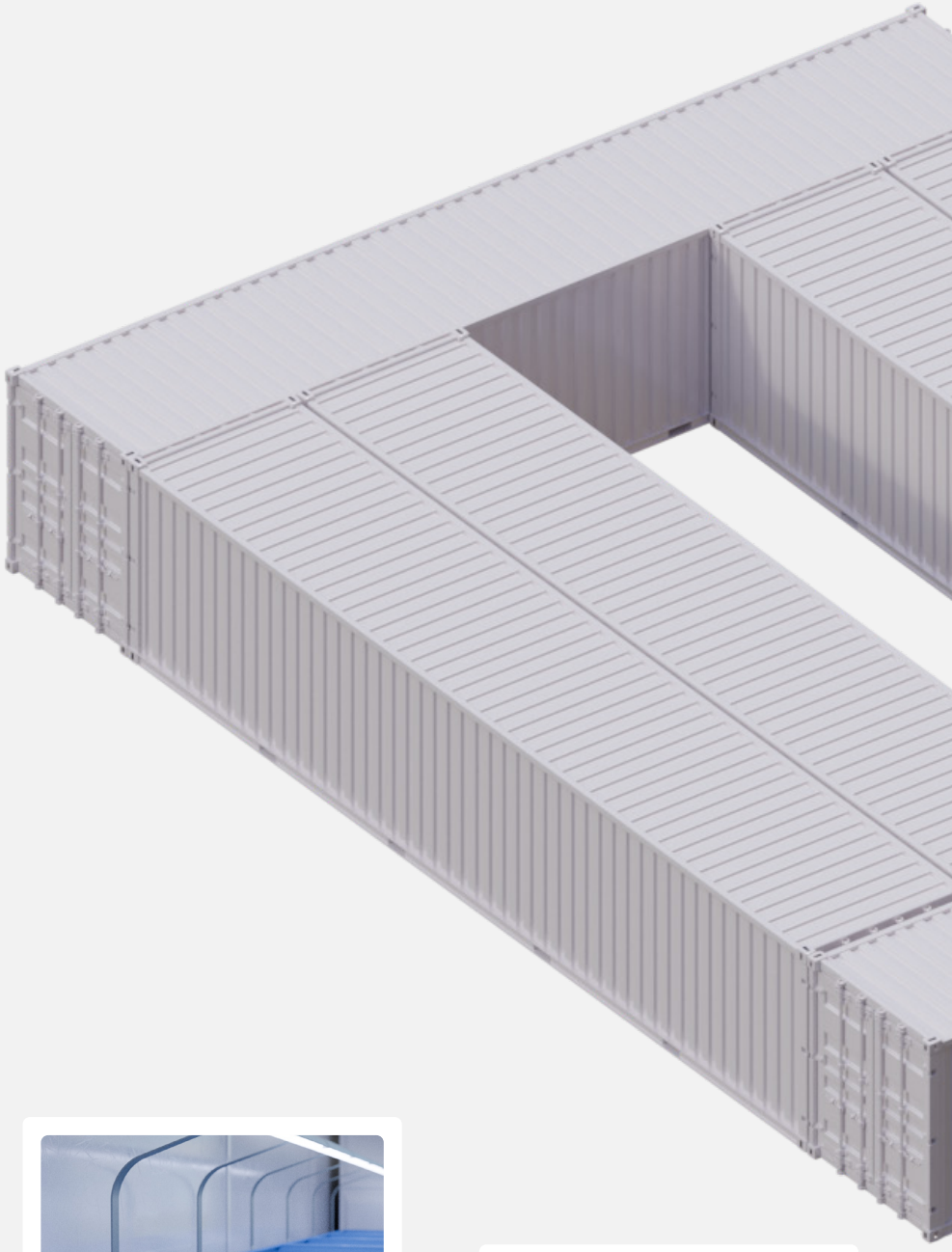
**Market Opportunity**

- **Global Demand:**
  The algae market is valued at SEK 150 billion annually, with a projected growth rate of 11% per year.
- **EU Initiative:**
  The European Union identifies algae as a key raw material for the green transition, targeting an increase in production from 300,000 tons to 8 million tons by 2030.



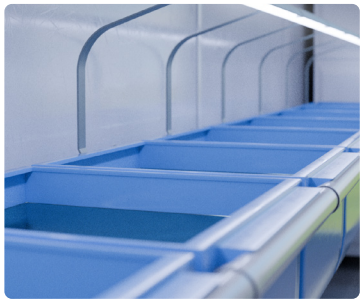
### VERSATILE LOCATION OPTIONS

Our CLAS technology features a modular design, enabling seamless expansion of production capabilities as your business grows. Built on a foundation of standardized 40-foot containers, CLAS is both highly scalable and easily transportable, allowing deployment anywhere – independent of ocean proximity – while providing unmatched flexibility for customers across Europe.




### INTEGRATED OPERATIONS OFFICE

Utilizing advanced diagnostics and monitoring tools, we can swiftly identify and resolve potential issues before they impact production. Our integrated office facilities enable clients to seamlessly manage the entire process, from order acceptance to delivery.

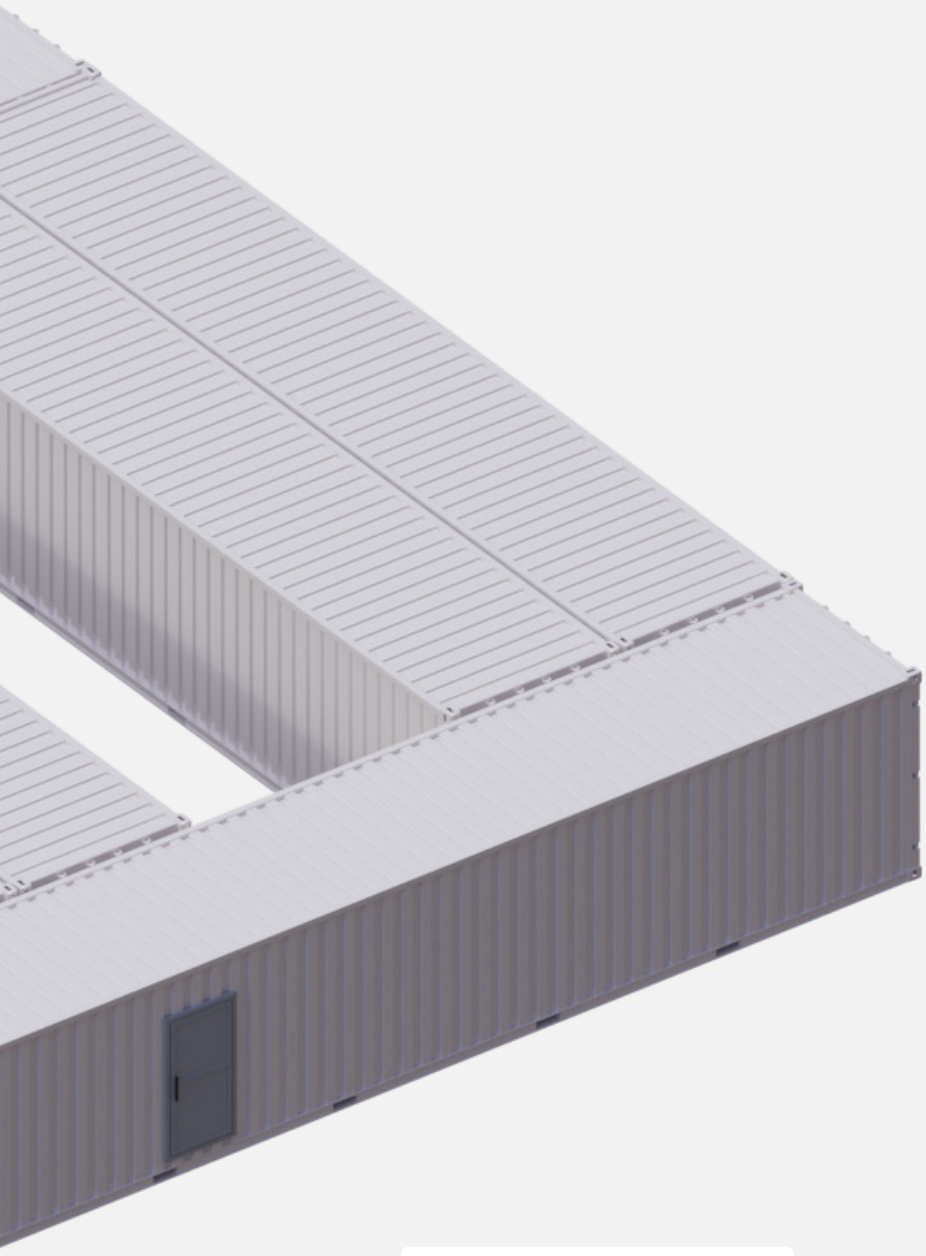


### RAPID ALGAE GROWTH FOR CONSISTENT OUTPUT

Several of our possible algae species exhibit a rapid growth rate, achieving increases of up to 50-60% daily. This exceptional growth capability provides our clients with a consistent and robust cash flow, reinforcing the value and efficiency of their investment.

### STERILE AND SECURE BACKOFFICE MODULE

A sealed dressing room ensures contamination-free access to secure algae production areas, maintaining a sterile and controlled environment.

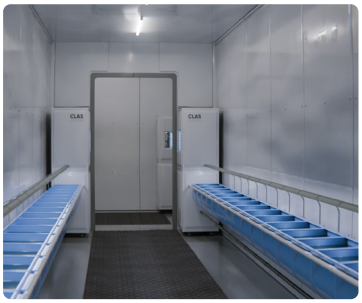


**EFFICIENT PACKING AND DELIVERY**

Our comprehensive preparation and packing facilities are designed to streamline the supply chain and logistics for algae produced in CLAS. These facilities ensure that algae are meticulously prepared and efficiently packed, maintaining optimal freshness and quality for delivery. This setup not only enhances operational efficiency but also ensures timely delivery to the clients, meeting the dynamic demands of today's market.

**QUALITY CONTROL LAB**

To ensure that we consistently meet the highest quality standards demanded by our cli-ents, we maintain a state-of-the-art laboratory dedicated to rigorous testing of both algae and water.



**CONTROLLED ENVIRONMENT PRODUCTION MODULE**

The Xoma CLAS technology offers a controlled, clinical environment that remains unaffected by weather conditions, pollution, or other external factors. Our fully reusable water system ensures minimal environmental impact, providing an eco-efficient solution that aligns with sustainability commitments.

# Why invest in CLAS:

Explore Xoma's CLAS technology, a sustainable, scalable solution for algae farming that meets the growing demand for eco-friendly food. Embrace the future of agriculture with Xoma!

1. **Unique and innovative technology:**
   Xoma has developed a world-first CLAS (Closed Loop Aquaculture System) for sustainable land-based algae farming, which drastically reduces water and energy consumption compared to traditional farming methods. This makes the company a leader in sustainable food production.

2. **Strong market potential:**
   Global demand for sustainable and nutritious food is growing rapidly. Xoma's focus on organic algae addresses this growing market, offering significant growth opportunities.

3. **Fast implementation and scalability:**
   Our CLAS technology requires no environmental permits, is modular and flexible, and is independent of proximity to the sea, making it easy to establish, scale up, and adapt to different geographical areas.

4. **Environmental benefits and sustainability:**
   Xoma's technology offers significant environmental benefits by reducing resource use and protecting natural ecosystems. This appeals to today's environmentally conscious consumers and strengthens the company's brand as a sustainable player.



Join Us in Shaping the Future of Land-based Algae Cultivation with scalable, sustainable solutions and a fast-growing market, Xoma is poised for trans-formative impact.

XOMA

At Xoma, we’re passionate about creating sustainable solutions for a greener planet. Whether you’re interested in our technology, exploring partnership opportunities, or just want to learn more, we’d love to hear from you.

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