

XOMA

FLOW

Pioneering Sustainable Water Purification





FLOW:

Xoma's innovative algae technology

Xoma AB's FLOW (Filtration of liquids and organic waste) system leverages cutting-edge microalgae technology to purify industrial process water. Designed to remove pollutants and heavy metals, FLOW provides a sustainable solution for industries seeking to meet stricter environmental regulations. FLOW technology is designed to purify both wastewater and process water from heavy industries, providing a sustainable solution for a wide range of applications.

Why invest in FLOW

Discover Xoma's FLOW, an innovative microalgae-based solution for industrial water purification. Eco-friendly and cost-effective, this scalable system aligns with global sustainability goals, revolutionizing pollutant removal.

- **Unique and innovative technology:**

Xoma has developed the world-first FLOW system, a sustainable, microalgae-based solution for industrial water purification. FLOW effectively removes heavy metals and pollutants, offering a cost-effective and eco-friendly alternative to traditional methods.

- **Strong market potential:**

The global water purification market is valued at \$56,55 billion, with demand growing rapidly due to stricter environmental regulations and increased focus on sustainability.

- **Fast implementation and scalability:**

FLOW's modular and flexible design allows for quick deployment and easy scaling to meet the specific needs of diverse industries, without requiring major infrastructure changes.

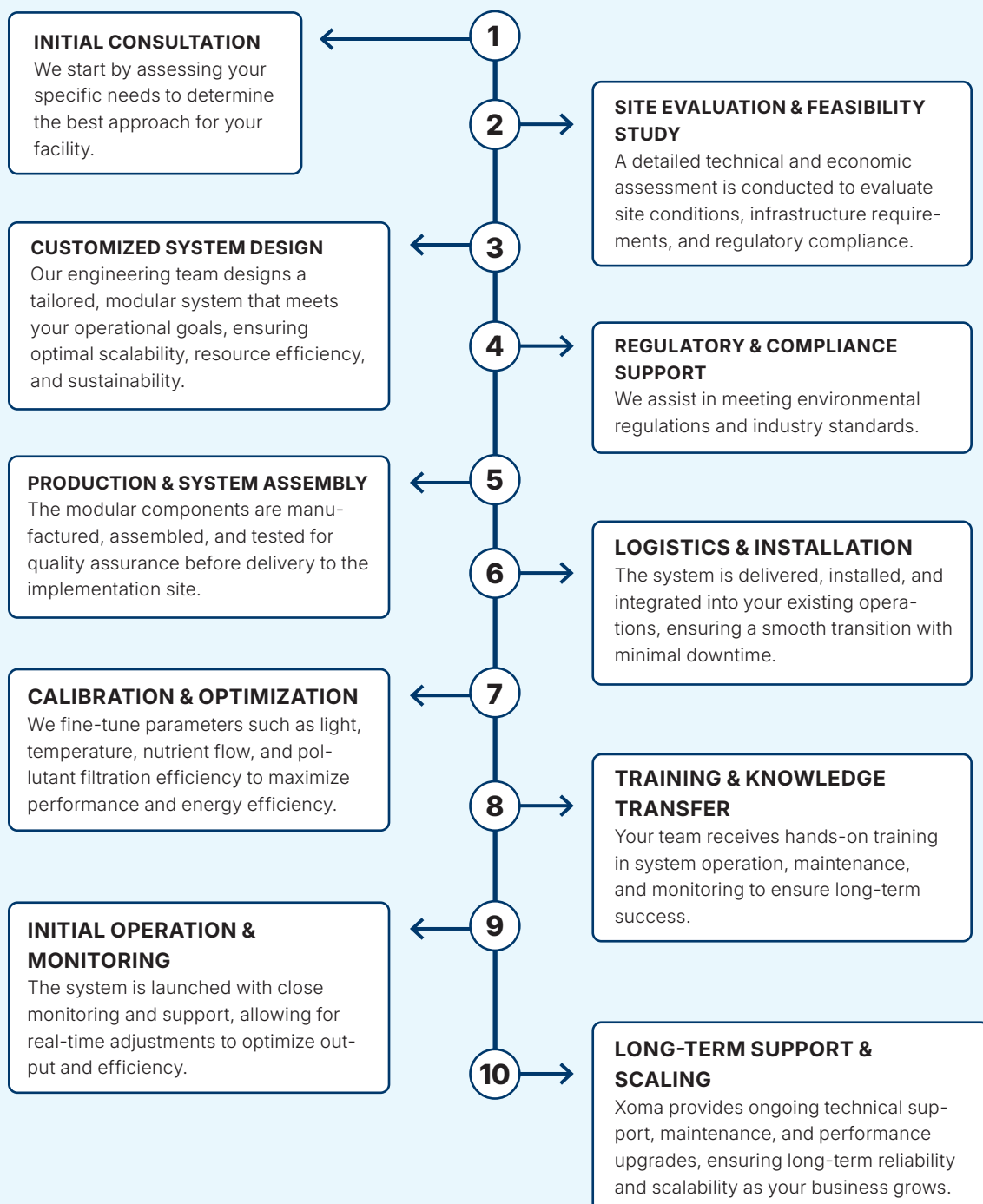
- **Environmental benefits and sustainability:**

FLOW promotes a circular economy by recycling heavy metals and repurposing algae biomass for biofuels, bioplastics, or fertilizers. It also captures CO₂, making it a carbon-negative solution that aligns with global sustainability goals.

Our Process:

10 Steps to Implement FLOW

At Xoma, we believe in bespoke solutions. We work closely with our clients to design water purification systems that perfectly align with their specific goals. Our expert team provides end-to-end service, from conceptualization and design to implementation and support. We ensure a seamless and efficient implementation of our FLOW systems, guiding our clients from initial consultation to full-scale operation.



FLOW:

How it works



INDUSTRIES WE SERVE

- Paper and pulp industry
- Mining industry
- Steel industry
- Water ponds



FLOW RATES

- 2 m³/ h
- 5 m³/ h
- 10 m³/ h

The FLOW Advantage

- **Heavy Metal Removal:**
Effectively extracts copper, zinc, lead, and other contaminants.
- **Biomass Utilization:**
Algae by-products can be repurposed for bioplastics, biofuels, or fertilizers.
- **Customizable Solutions:**
Tailored to the unique water treatment needs of various industries.
- **Eco-Friendly:**
Minimal chemical use and a closed-loop design for maximum sustainability.
- **Cost-effective:**
FLOW technology provides a cost-effective alternative to traditional methods.

XOMA FLOW

OUR TECHNOLOGY REMOVES

- Mercury (Hg)
- Zink (Zn)
- Cadmium (Cd)
- Lead (Pb)
- Phosphorus (P)
- Copper (Cu)
- Carbon dioxide (CO₂)
- Nitrogen (N)

Biomass

Clean water

X % clean water

X % Clean proteins
for e.g. Bioplastics

X % metal
recycling



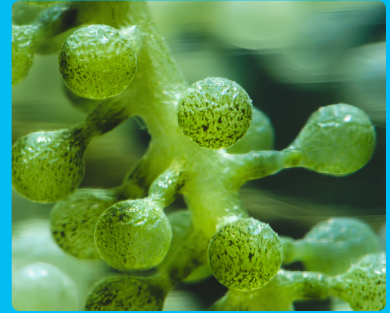
Be Part of a Sustainable Solution

FLOW technology is a game-changer for industries aiming to reduce environmental impact while maintaining operational efficiency.

Algae are nature's hidden gems, offering unparalleled, environmental, and industrial benefits. With our sophisticated Controlled Environment System, Xoma ensures optimal growing conditions – managing light, temperature, nutrients, and CO₂ levels – to produce high-quality algae consistently. Our FLOW technology harnesses the power of microalgae to purify industrial wastewater and process water, removing pollutants while capturing CO₂ and generating valuable biomass. FLOW drive a sustainable future in environmental management.

Xoma's Vision for Green Leadership in the Algae Industry

As we look to the future, our ambition is clear: to hold a leadership position in the rapidly expanding algae industry. By providing cutting-edge technology, Xoma is committed to pioneering practices that support a healthier, more sustainable planet—creating value for our partners and contributing to a green economic transition.



Join us in crafting a future where algae innovation meets global sustainability and unparalleled quality. Together, we can make a remarkable difference. Whether you're interested in our technology, exploring partnership opportunities, or just want to learn more, we'd love to hear from you.

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.

www.xoma.se