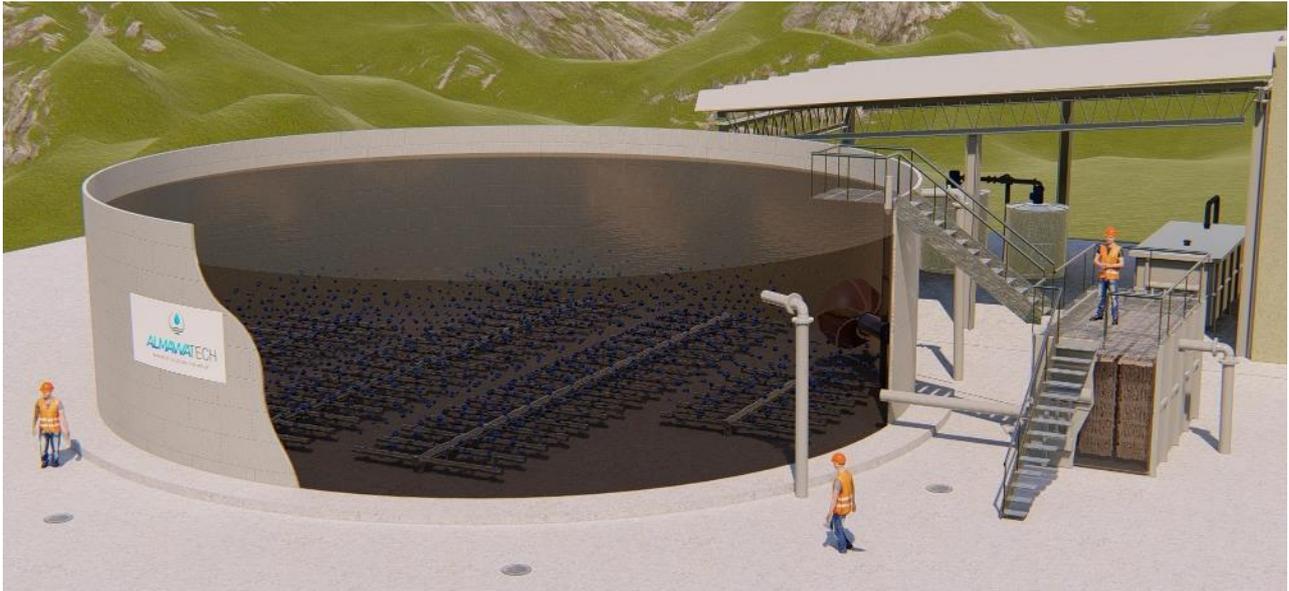


ALMA BIO MBR

Membrane bioreactor ALMA BIO MBR



The **ALMA BIO MBR** system represents an innovative solution based on the effective combination of an aeration tank with fine bubble aeration and a membrane filter box with immersed plate modules. The membrane box is delivered as a ready-to-install component by ALMAWATECH, which enables easy and efficient integration into existing systems. The system is controlled via our ALMAVision software, which is based on the Siemens TIA portal. For clear visualization and precise control, the control cabinet is equipped with a high-quality 9" touch panel, which can be adjusted according to customer requirements. As an optional feature, the system is also available in a special technology container (ALMA module), which houses all system units and control technology and thus offers a compact and efficient overall solution.

Applications

- Biodegradable industrial wastewater
- Pre-treatment for reuse and zero discharge solutions
- Food and non-food sector

Specifications

- Fine bubble membrane ventilation via pipe elements
- Hydraulic capacity between 200 and 2,000m³/day possible
- Aeration tank in screwed construction (enameled steel or stainless steel)
- Modular box with plate module and integrated CIP system
- Flow/Oxygen & COD Measurement

Advantages

- Individual dimensioning according to wastewater volume and concentration
- Very high solids retention
- Downstream reverse osmosis possible
- High COD elimination performance
- Can be used at high salt concentrations
- Control with ALMAWATECH/ Siemens TIA-Portal
- Cast-in-place concrete construction possible on request



ALMAWATECH

INNOVATIVE SOLUTIONS FOR WATER

ALMAWATECH GmbH - Your plant manufacturer and service provider in industrial water and wastewater technology offers everything from a single source

**Analysis &
Optimization**

**Planning &
Consulting**

**Water
chemicals**

**Operations
Management**



Plant engineering

Wastewater and process water

-  Treatment for direct and indirect dischargers
-  Pre- and post-treatment of wastewater
-  Process water Recycling
-  Ultrapure water production
-  Individual system solutions for all branches of industry

Procedure

-  Biological (aerobic/ anaerobic/ anoxic)
-  Precipitation, flocculation and neutralization
-  Filtration & reverse osmosis
-  Oxidation & hygienization
-  Modular systems

Specialized water chemicals from ALMAWATECH for wastewater applications, cooling water circuits, membrane systems and boiler plants.