



WEHRLE designs and builds plants for the treatment of landfill leachate and industrial effluent. One of the main characteristics of the WEHRLE design is the high performance and efficiency of these plants. Beside of savings for the operator due to typically low operation costs, this design also leads to very compact plant sizes and small foot-print.

This allows WEHRLE to build wastewater treatment plants whole or partially into standard 20' or 40' containers. A container plant is exceptionally simple and quick to install on site and ready to start at once. Container plants can be used for following process technologies offered by WEHRLE:

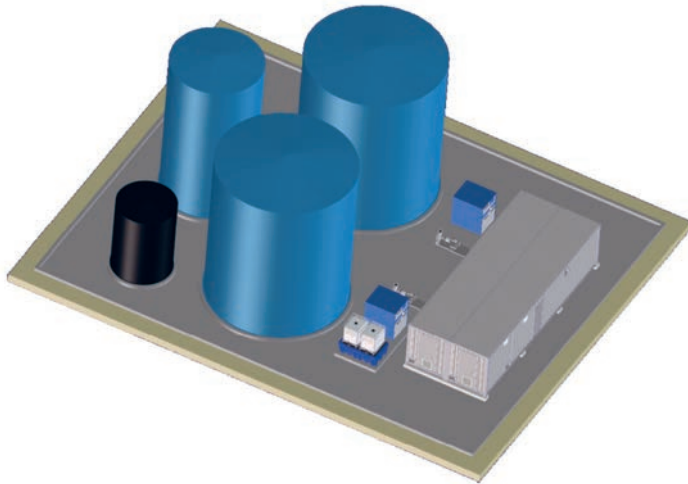
BIOMEMBRAT®	compact Membrane Bioreactor (MBR) and biomass separation in 1 container, for the efficient elimination of COD/BOD up to 200 m ³ /d or 20,000 mg/l COD
Ultrafiltration	save and complete biomass retention in a MBR or for performance upgrades of conventional aerated systems (CAS) to MBR, connected to external bioreactor
Nanofiltration	e.g. as final treatment phase to achieve higher discharge quality
Reverse Osmosis	e.g. as direct treatment of landfill leachate or to generate process water / to allow water re-use of industrial effluents up to 750 m ³ /d



Customer Benefits

- ▶ **Compact design**
Containerised systems for easy installation or mobile purposes
- ▶ **Modular design**
Simple and low-cost upgrades to extent capacity
- ▶ **Freedom of choice**
Membrane replacement is not bound to a specific supplier
- ▶ **Easy to use**
Our plants operate fully automated and are controlled via touch panel
- ▶ **We make experts**
Our commissioning engineers provide comprehensive know-how during operator training sessions

Model of full-size effluent treatment plant, based on the BIOMEMBRAT® High-Performance MBR, including containerised UF/NF combo for direct discharge quality (into river):



WEHRLE-WERK AG

Plant engineering and services from one source

Since 1982, WEHRLE sets benchmarks as pioneer and technology leader for the treatment of very difficult and complex wastewater. The wide range of available process technologies allows intelligent process combinations to fulfil the requirements and expectations of the client in the best possible way. WEHRLE consults, plans and builds plants and also offers corresponding services such as piloting, efficiency optimisation and retrofit of existing plants.

This technological lead enables WEHRLE to build probably the most

compact treatment plants in the world, saving the client valuable area that can be utilized otherwise. In spite of this compactness, WEHRLE plants are particularly fit to cope with effluents changing in load and flow – such as industrial effluents from batch production or to cover peak times – and prove their effectiveness even in different climate zones.

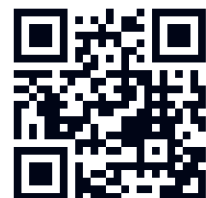
The modular design of the equipment allows simple plant extensions or upgrades, e.g. for higher treatment targets, such as water re-use and ZLD. In addition to that,

WEHRLE's containerized package plants are quick to install, simple to move and often an inexpensive method to increase the performance of an existing conventional treatment plant.

WEHRLE is dedicated to the company's history: As family-owned company reliability, longevity and openness with clients and partners are our top priorities. The clients of WEHRLE trust in this philosophy – in over 45 countries and on 5 continents.

Contact

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