

Wehrle

Water and wastewater treatment

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INFORMATION ON THE ECO-INNOVATIVE SOLUTION PROVIDER

These eco-innovative solutions were developed by the German company Wehrle Umwelt GmbH. With over a century of experience, and having constructed over 300 environmental technology plants worldwide, WEHRLE promises its customers with advanced technologies, excellent product and service.

SHORT DESCRIPTION OF THE ECO-INNOVATIVE SOLUTION

Complete system design for wastewater treatment plants (turn-key plants). Solutions include treatment of highly polluted effluents to water recycling from industrial applications. Modular multi-stage process concepts ensure discharge limits to sewer or river are met or more stringent quality specifications are achieved for process water, drinking water and even boiler feed water (Recycling). Among these technologies for water and wastewater treatment, WEHRLE delivers Dissolved Air Flottation, Biological treatments, Membrane Bioreactor, Sequencing Batch Reactor, Ultrafiltration, Nafiltration and reverse osmosis systems etc. Wastewater treatment technologies for industrial wastewater for example textile & leather, agro-food, chemical, pharmaceutical industries.

Industrial sector – Market segment and actual applications in industry

36 - Water collection, treatment and supply

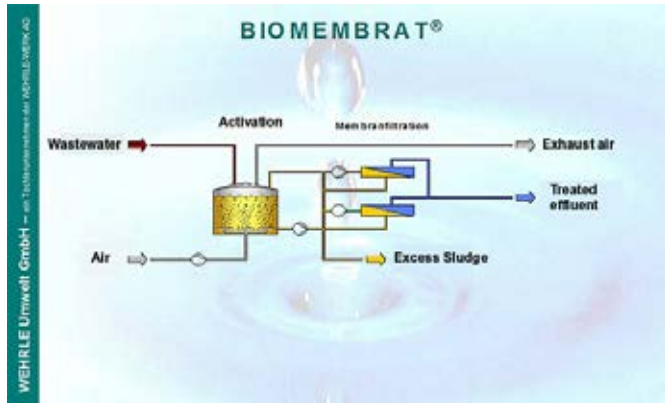
INDUSTRIAL CLASSIFICATION - NACE CODE;

39 - Miscellaneous Manufacturing Industries

1. DESCRIPTION OF ECO-INNOVATIVE SOLUTION

Technical aspects of the eco-innovative solution

For the textile industry, typically, a Membrane BioReactor MBR treatment plant is designed, which ensures high quality of the effluent and allow the industrial to reach high requirements for example, recycling of the treated water, as well as continuous and automated treatment that ensure a trouble free operation.



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Economic and environmental benefits of the eco-innovative solution

WEHRLE has over 300 references worldwide in over 40 countries on 5 continents with the oldest of them operating since 25 years. Normal flow range 50 ... 5000 m³/d, COD >> 1.000 mg/l. Wehrle technologies fits with highly polluted industrial wastewater and costs / benefits will be calculated following data for specific industry.

2. AVAILABILITY OF THE ECO-INNOVATIVE SOLUTION AND BUSINESS PARTNERSHIP

Market readiness, Trade mark, existing market coverage commercialization strategy

All solutions are available on the market. WEHRLE has a Tunisian local representative close to its customers to handle their enquiries and answers their questions.

Requirements to adapt the solution to the local market and potential applications/market size

Every plant is designed following user specifications

On site after-sales services support and the technical assistance requirements

World wide support

Targeted local business partners

Industrial premises with need to treat or recycle waste-waters

Type of local business partnership sought

Industries having water and wastewater treatment demands, public organisations dealing with water, wastewater and solid waste treatment, engineering companies, experts, professors...