

Water Technology

It was developed with its German engineers and partners more than 2000 applications in water treatment

- best in class know-how
- best in class experience
- best in class technologies

and meets the most stringent government laws and regulations in the world, such as COD, BOD, TOC but also all cationic (iron, manganese, ammonia.....) and anionic (chloride, sulphate, nitrate, phosphate.....) substances.

technology leader in the following applications

Desalination of sea and salt water with special reverse osmosis systems

- very high durability
- very low energy consumption
- maximum variability from 100 l per hour to several 100.000 m³ per day or more
- modular architecture provides maximum operational and supply safety



Treatment of process water

- unique combination of bio reactors, filtration systems and special developed utilities for textile, paper and pharmaceutical industry
- treatment of cooling water systems including cooling water systems of atomic power stations that can loose up to 50% of their cooling power due to biofilm
- in food industries such as breweries, vineries, milk or soft drinks
- in metal industries
- in porcelain factories including recovery of raw materials
- in oil refineries with a special new developed ceramic module with very high flux rates



Treatment of landfill leachate

Patented osmosis membrane module provides significant advantages compared to other technologies

- up to 90% treatment ratio of cleaned water can be reached
- extremely high durability (+ 10 years)
- very low operating costs
- can be operated with more than 100 bar pressure
- very low maintenance
- modular architecture provides maximum operational and supply safety



Contamination and organic pollution

Patented ozone injector technology that provides superior, efficient, economical and final solutions without residues against contaminated and organic pollution

Target

