

Zero Liquid Discharge

Complying with stringent wastewater treatment regulations and reducing water usage are critical considerations in industry today. Numerous environmental regulations, rigorous permitting processes, and lack of water availability, among other factors, are driving many industrial facilities to implement zero liquid discharge (ZLD) systems as a solution. Dew ZLD systems eliminate liquid waste streams from your plant and produce high purity water for reuse. In many cases, your plant water consumption can be reduced by up to 90 percent—saving money and helping to protect the environment. You may even be able to capture valuable by-products and sell them to offset your costs. Dew provides a comprehensive portfolio of technologies for ZLD applications, including brine concentrators, evaporators, and crystallizers. These technologies can often be combined with other equipment, such as ultra filtration (UF), reverse osmosis (RO), electrodeionization (EDI) and ion exchange to provide the optimal solution. Our specialists can tailor a system to fit your wastewater characteristics, flow rates, and end-product requirements. Dew is continually developing new solutions that respond to changing market needs. Our extensive experience can help you tackle the challenges of stringent discharge regulations, process optimization and effective water and wastewater management.



DEW ENVIROTECH

TURNKEY SOLUTIONS

★ WATER ★ WASTEWATER ★ RECYCLING

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Integrated Solution

Turnkey Solutions

Dew is a leader in engineered water and wastewater treatment solutions. We are a specialist in engineering design and turnkey build projects. We also offer a wide range of technological solutions for water and waste water.

High-performance equipment solutions from DEW help you achieve key business goals, meet critical water needs, and cope with scarce water resources. Our reliable and cost-effective treatment systems help boost your profits by producing consistent product quality, operating reliably, optimizing critical systems and capturing and separating valuable products. Our proven water treatment technologies enable you to

- Remove colour and odour
- Remove dissolved solids
- Remove suspended solids
- Desalt seawater and brackish water
- Separate organic, ionic species and kill pathogens
- Concentrate valuable products



Technologies

Dew designs, engineers, manufactures, commissions and services industrial effluent treatment systems. Dew helps you continuously improve performance, drive down costs and comply with regulations and product-quality standards. Our people are experts fully qualified to help you design a solution best suited to your water and waste water application. All products in our complete portfolio are built to rigorous quality requirements in facilities that use highest engineering methods and meet international quality standards. With a global focus on R&D we constantly develop new products that enhance your operations and meet emerging needs.

Our solutions include both chemical-physical treatment and biological systems (aerobic and anaerobic). We remove organic and inorganic pollution from wastewater and we treat the secondary effluent for industrial reuse as boiler feed water or cooling tower makeups. We integrates physical and chemical processes to provide a reliable performance in a wide range of operating conditions without any modification.

Our products are combination of technologies such as

- Physical and Chemical Treatment
- Primary and Secondary Settlers
- Clarifiers, Tube Settlers
- Dissolved Air Filtration (DAF)
- Bioreactors (Biological Treatment)
- FBR/MBR/MBBR
- Reuse with Tertiary Treatments
- Recycling using Membrane Technologies
- Thermal Evaporation and Crystallization
- Sludge Handling and Disposal



Dew offers a combination of wastewater technologies for settling, aeration, biological treatments, bioreactors, anaerobic treatment, wastewater clarification, digestion, separation, chemical feed, disinfection, sludge treatment and odour control equipments.

