UET WATER TECHNOLOGIES
High Recovery. Low OPEX. Real Results.

HIGH-RECOVERY RO, MLD + ZLD ENGINEERED SOLUTIONS

Maximize water recovery. Minimize liquid discharge.

UET Water develops application-specific high-recovery reverse osmosis, minimum liquid discharge and zero liquid discharge treatment strategies. Each solution is based on the feedwater chemistry, scaling potential, product-water requirements, discharge limits, energy objectives and the highest practical recovery for dependable operation.

CUSTOM TREATMENT PATHWAY

1 — ASSESS + PRETREAT
Water analysis, scaling review, filtration and chemistry control

2 — HIGH-RECOVERY RO
Multistage arrays, interstage boosting and optimized recovery

3 — BRINE RECOVERY
Concentrate recirculation, secondary membrane treatment and polishing

4 — MLD / ZLD ENDPOINT
Final concentrate management, evaporation or crystallization as required

ENGINEERED FEATURES

- Multistage membrane arrays and staged recovery
- Interstage boosting and variable frequency drives
- Concentrate recirculation and brine recovery
- Antiscalant, pH adjustment and chemical dosing
- CIP systems, instrumentation and PLC / HMI controls
- Skid mounted, modular or containerized configurations

KEY DESIGN INPUTS

FEEDWATER	Complete analysis, variability, temperature and contaminants
PERFORMANCE	Capacity, permeate quality and target recovery
CONCENTRATE	Discharge limits, disposal route and final endpoint
OPERATIONS	Energy, chemicals, automation and operator requirements
SITE	Footprint, utilities, materials, environment and installation

APPLICATIONS

Industrial wastewater and reuse | High-TDS brackish water | Desalination | Cooling tower blowdown | Process-water recovery | Concentrate minimization | Water-scarce facilities

MORE RECOVERY. LESS DISCHARGE. BETTER WATER VALUE.

Complete systems, limited scope packages and confidential OEM / private-label support.

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DESIGNED TO PERFORM. BUILT TO LAST.