

demem 

Our Solutions for the Electronics Industry





YOUR PARTNER IN INDUSTRIAL WASTE WATER TREATMENT

Our Solutions

- De.mem offers specialized and customized systems and solutions for customers from the electronics industry, including industry segments such as semiconductor or plating.
- Water used by the electronics industry may come from well, seawater or recycled water. De.mem can treat the water to suit the specific requirement.
- Cooperation with leading academic institutions and consulting partners gives De.mem the expertise and support to solve complicated matters.
- Using components particularly developed for electronics industry waste water.



Our Experience

Among others, De.mem and its engineers have experience in the following areas:

- High Purity water, Ultra Pure Water (UPW) for rinsing and the wastewater treatment of rinse water – all are essential to the electronics industry.
- UPW, which is produced through a series of processes such as softening, ultra-filtration, reverse osmosis, de-ionization, EDI and activated carbon filtration.
- Waste water treatment including high COD, turbidity and metal removal.
- Using equipment such as degasification and membrane based treatment processes.
- Deionization of recycled wastewater by Ultrafiltration, Reverse Osmosis, mixed bed vessels and electro-deionization for reuse.



Case Study: Electronics Industry

Objective: Treatment of Waste Water with High COD

Solution: De.mem developed a customized process combining several process steps. Advanced pre-filtration processes were used for initial screening and COD reduction. This was followed by a combination of membranes which were selected particular for the high COD content. Final polishing steps were implemented to provide recycling water quality. The system was fully automated to minimize maintenance requirements.