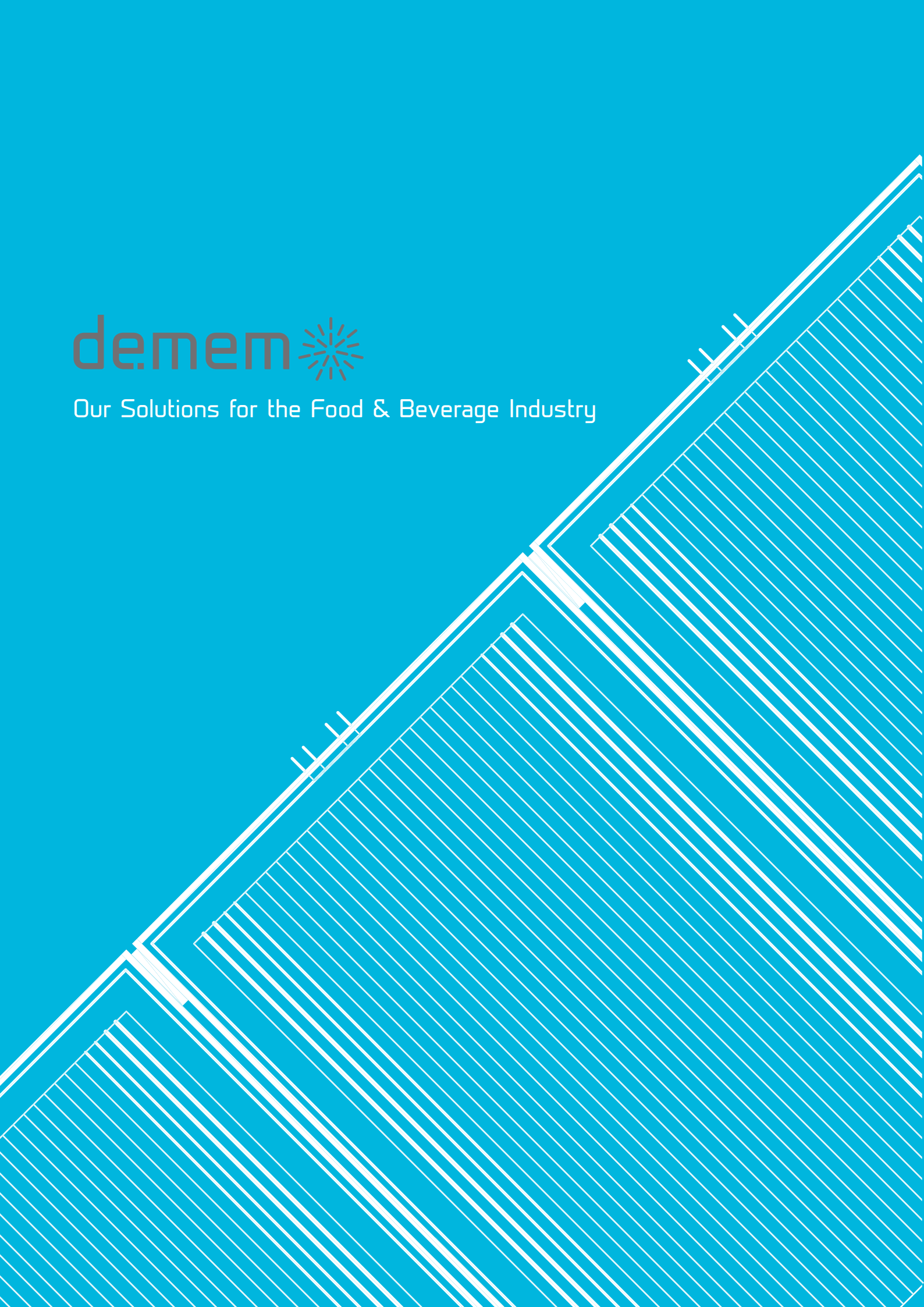
dememo
Our Solutions for the Food & Beverage Industry

YOUR PARTNER IN INDUSTRIAL WASTE WATER TREATMENT

Our Solutions

- Within the food and beverage industry, there are two areas which require particular attention: The bottling of drinking water and the treatment of waste water.
- Bottling water standards are set by the International Water Bottling Association (IBWA) and FDA or local government agencies. De.mem can provide systems that meet such standards and requirements.
- Wastewater from food industries generally contains high turbidity, solids and oil and grease load. De.mem can provide systems that remove such contaminants.
- Cooperation with leading academic institution 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:

- Systems incorporating several layers of treatment processes and the final use of sanitary membrane systems which are CIP-able.
- Equipment, pipes and fittings that conform to ASTM A270 and 3-A specifications (US) and standards, or equivalent in other countries.
- Bottling plants that require de-gassing or the addition of CO2 gas through a membrane system, ozone/UV disinfection, addition of nitrogen (nitrodoser) and packaging plants (sourced from partner vendors).
- Air floatation, API separators, CPI separators or dissolved air floatation-flocculation units and oil skimmers.
- Treatment of waste water through anaerobic and aerobic process using Upflow Anaerobic Sludge Blanket (UASB), MBR, SBR, clarifier and chemical addition.

Case Study: Food Industry

Objective: Odour-free containerized system for waste water treatment of a Singapore factory to achieve recycling/Newater standards

Solution: De.mem developed a customized process using pre-filtration and different types of membranes, including Ultrafiltration (UF), Nanofiltration (NF) and Reverse Osmosis (RO). Final polishing of the water is performed to achieve re-use quality. The system and product water is completely odour free due to specialized activated carbon treatment and built in ventilation control. It was delivered containerized and fully automated for remote monitoring and control.

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