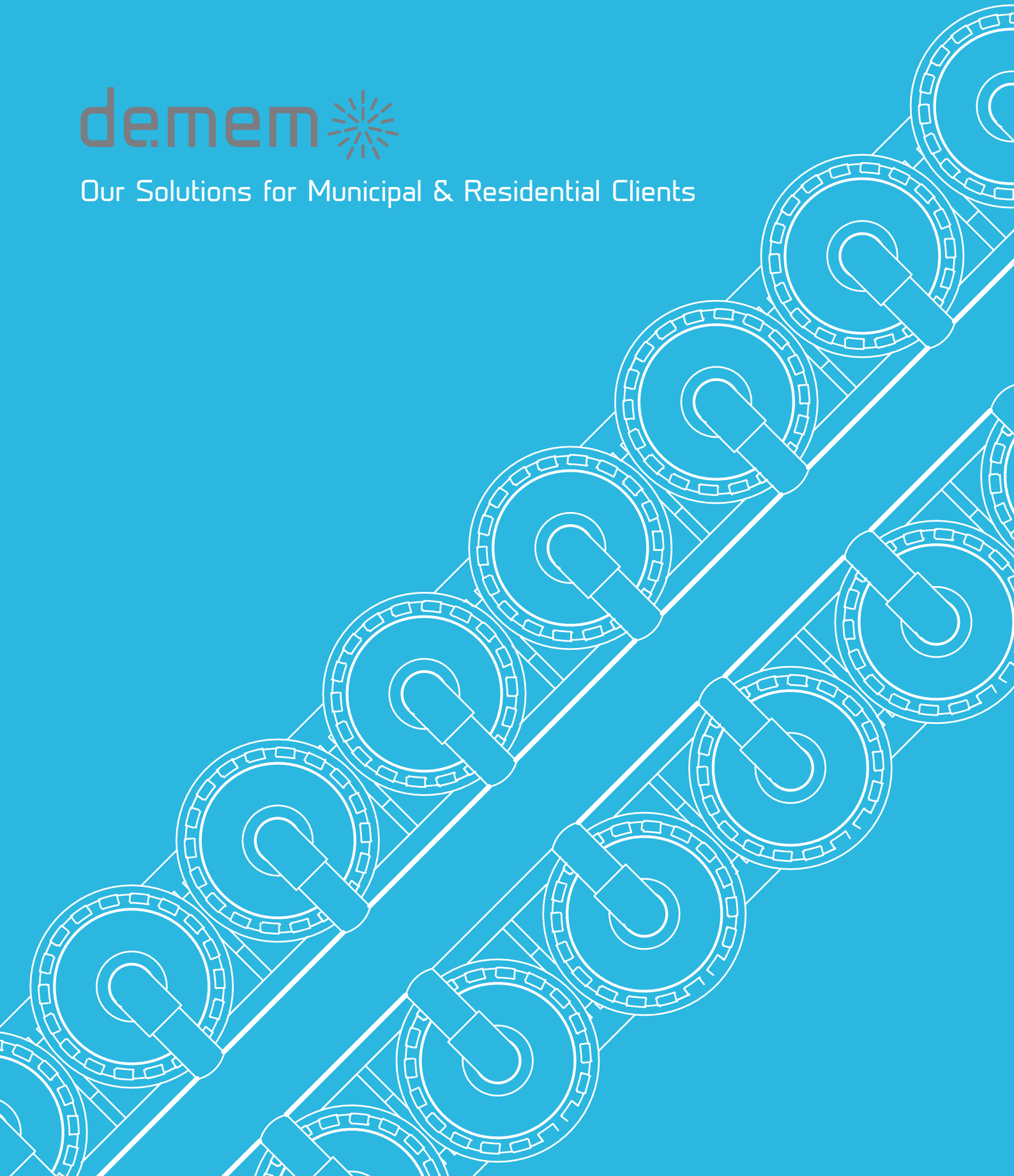




Our Solutions for Municipal & Residential Clients





## MODERN SYSTEMS AND SOLUTIONS FOR CLEAN WATER

### Our Solutions

- De.mem offers a wide range of systems and solutions for municipal & residential clients.
- Our company supplies systems that provide potable water for municipalities, residential developments, NGOs, hotels/resorts etc – using different types of feed water such as well, river or sea water.
- Potable water quality such as Total Dissolved Solids, Boron, pH, Alkalinity, fluoride as required can be provided as per customer specifications.
- The treatment process depends on the feed water and requested output water quality:
  - In the case of sea water, it may include process steps such as screening, Dissolved Air Flootation (DAF) in case of algae removal, gravity driven or pressurized filter systems, membranes (UF, NF, RO) and remineralization plus disinfection system.
  - In the case of river water, it may include screening, MBR, membranes (UF, NF, RO) and remineralization plus disinfection system.
  - Well water requires simple treatment which may include filter and cartridge filtration, membrane system and disinfection.
- Treatment of sanitary waste will be provided with equipment for screening debris, oil and grease removal, anaerobic and aerobic processes using Upflow Anaerobic Sludge Blanket (UASB), MBR, SBR, Activated Sludge processing systems, sludge treatment and disposal systems and disinfection for effluent reuse.
- Effluent or treated water will be disinfected using chemicals, UV or ozone prior to reuse such as irrigation and service water.
- Rain water can also be collected and processed for reuse.



### Our Experience

- De.mem has a long track record of projects with municipal & residential clients.
- Our company has designed, built and intergrated numerous water treatment plants, including a number of larger water treatment plants that supply municipal clients in Vietnam.



### Case Study: Hanoi University of Agriculture

Objective: Water Treatment Plant to Supply the University Campus

Solution: De.mem designed, built and integrated a 2,000 m<sup>3</sup> per day water treatment plant which supplies the campus of the Hanoi University of Agriculture with potable water. The University has approx. 40,000 students and staff. De.mem designed a plant using simple pre-treatment, Ultrafiltration (UF) membranes and post-treatment. It was handed over turn key to the client in December 2015 and operates since then.