

## WHAT IS AQUAZONE

- Originally company from **Finland** established in 2009
- Offers **innovative** turn-key water treatment solutions for clean water, waste water and sludge treatment
- Clean **Drinking water** with the world's most compact containerized solution:
  - an economically efficient treatment method with **minimal civil work**
  - high quality treatment technology and **low energy consumption**
- Co-operates with large international manufacturers including **funding solutions**.

## KEY SERVICES

Aquazone Oy provides services in Engineering and Procurement services in next sectors:

- **Waste Water Treatment plant modernization/construction**
- Compact and autonomous **containerized solution of water treatment** for technical and drinking water
- Waste Water Treatment plant with **high-efficient MBR (membrane) process**
- Waste Water chemical **disinfection**
- Sludge Treatment solution into **fertilizers**
- **Desalination Process**
- Sewer corrosion and odor control – to prevent significant communication damage and **maintenance costs saving**.

## FUNDING

Aquazone Oy has an opportunity to support to gain the **projects financing**



### Containerized Water Treatment Solution

- *Delivering and Operate in standard 40" sea container*
- *The system is mobile, remotely monitored and offered with various financial schemes and service modules*
- *Unit can treat capacities ranging from 1 – 1 500 m<sup>3</sup>/h*
- *Using Aquazone's technologies Drinking or Technical water can be produced from any natural water source including groundwater, lakes, rivers, polluted wells, brackish water or seawater*

### Waste Water Treatment Plant renovation to MBR process

- *Modern Technology that can replace old-fashioned plants much compact and cost effective*
- *High design and easy implementation – normally project can be realized in 1 – 1,5 year including Design, Procurement and Construction*
- *Professional high-educated team and successful references*

### Sludge Treatment

- *Disinfection of sludge into a fertilizer in 1 hour chemical treatment process with no electricity consumption*
- *Reduce the need of chemical fertilizers at least by 50%*
- *Microbiological safety ensured*
- *Movable equipment fitted to the back of a tractor, batch process. Fixed installation also possible*
- *Chemicals added to the reactor (in the picture on right), where they are mixed with the sludge. The pH and temperature are monitored during the process*
- *Microbiological safety - treated sludge is practically free of pathogens (E.coli and salmonella)*

### Sewer corrosion and odour control

- *Mobile chemical dosing unit containing integrated chemical storage and dosing automation*
- *Online measurements and real-time monitoring in sewer pipeline networks to locate problem points & their origin*
- *Controlled dosing of oxidizing agent to prevent formation of hydrogen sulphide and sulphuric acid*

