



International Service Company s.r.o.

Modern proven technologies and
advanced engineering solutions in
the field of water treatment



Plant engineering according source analysis - individual design system for each case - optimal equipment for water treatment.

Effective water treatment technologies and turn-key projects developed for wide range of industries:

- ✓ Drink Water Treatment
- ✓ Boiling Water Demineralization
- ✓ Sea Water Treatment
- ✓ Landfill Leachate Treatment
- ✓ Food industry
- ✓ Chemical industries
- ✓ Vegetable oil refinery industry
- ✓ Agricultural industry
- ✓ Nuclear power plant
- ✓ Pharmaceutical water treatment

Note:

Modern Desalination Plants is cost effective and ecological solution for areas with water scarcity.

Ready to use - compact containerized equipment -- allows to save time and cost.



About Company

Water Group is engineering company carries out all complex of works on design, construction, reconstruction of water supply and water treatment facilities for municipal and industrial plants – from technical audit and an assessment of overall performance of existing object to “turn-key” construction of new water treatment facilities.

The company takes pride their dynamic team of high skilled professionals with the international experience of solutions of the difficult tasks water treatment, which capable to carry out complicated projects,

to provide optimal technological solution with long life and low operating costs, to guarantee of high operational qualities, to provide maximum possible benefit from implementation of project for the customer.

We are partners of leading European manufacturers of high-quality equipment and use modern equipment and technology in our system – ultrafiltration and reverse osmosis. We can clean and treatment any source water – well water, river, sea and ocean high mineralization water also waste water and landfill leachate water

Our projects are based on modern scientific and practical of world and own experience.



Main Advantages:

1. Water Group use tested engineering solution and choice available and affordable components of global brand.

As a full-service company, we can take charge of your water and process treatments, letting you focus on your core business. Our wide range of Customized Services lets you choose the package of operations, service and maintenance support you need, at an affordable and predictable cost

2. Flexible plant engineering according source water analysis and product requirement- individual design system for each case- optimal equipment package for process.

3. We can propose compact containerized equipment – ready to use with climate system inside. This allows to save time and reduce capital cost. Our Mobile Water service puts high-performance membrane technology. Now you can get high-purity water within hours for short-term needs or emergencies. Customers told us they needed this service – we deployed it in three-six months

4. Our proposals cheaper than big water company offers also they has high costs for big offices and staff, adverting and promotion.

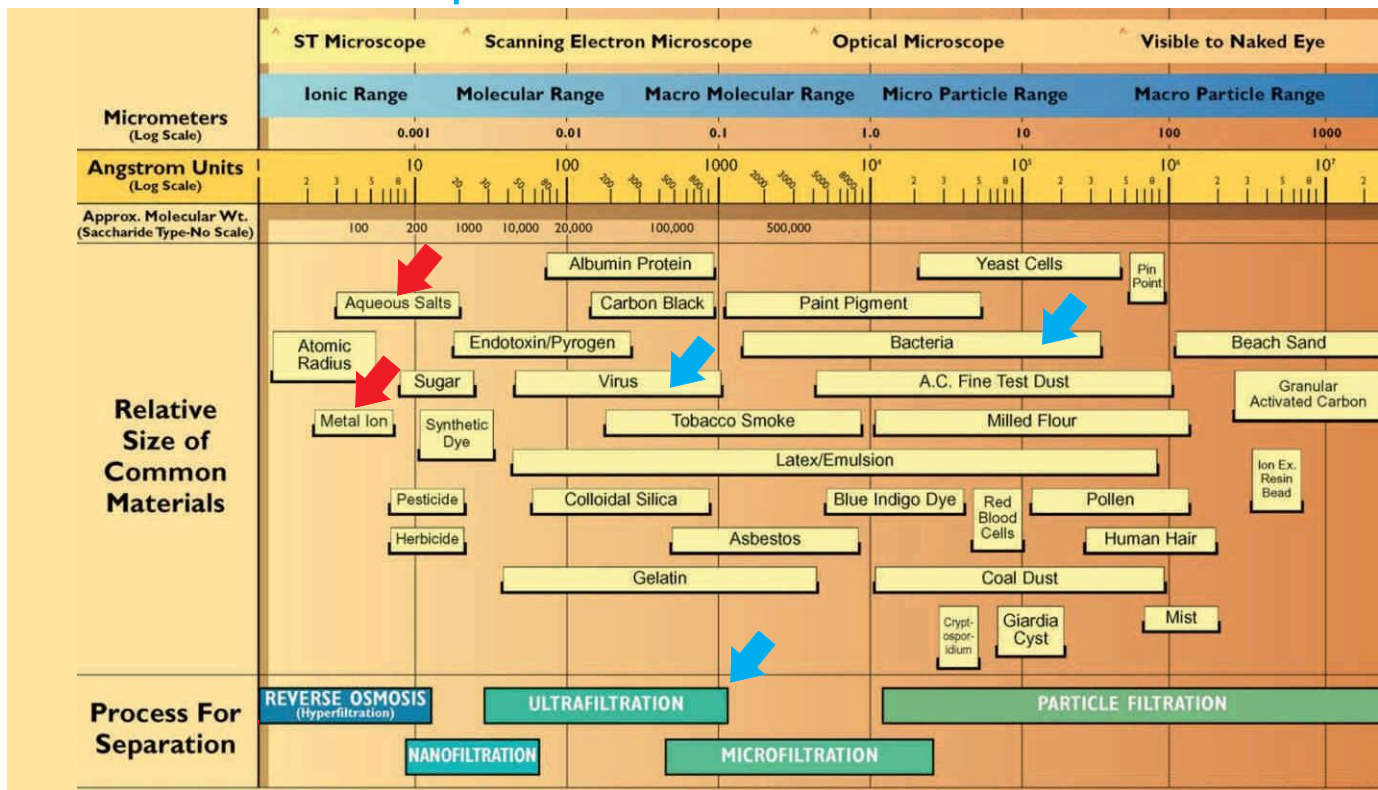
All this allows us to produce high quality water treatment equipment and plant this competitor cost for any capacity and water quality what will need customer.



Sea Water Desalination plant, Baltic Sea

Desalination Challenges and Solutions

Filtration Spectrum



Ultrafiltration:

- organics removal
- suspended solids removal
- bacteria/virus removal

Designed for removal of the suspended substances, clarification, decrease in the organic pollution, full removal of bacteria, viruses, and other microorganisms.

Main areas of application of ultrafiltration:

- ✓ Pre treatment of water before reverse osmosis units
- ✓ Receiving potable water from surface source
- ✓ Treatment of circulating water from swimming pools
- ✓ Waste water treatment



Reverse Osmosis:

- desalination
- softening
- industrial purification applications

Reverse osmosis designed for decrease of water mineralization, removal of organic pollution, viruses, bacteria and microorganisms.

Fields of application:

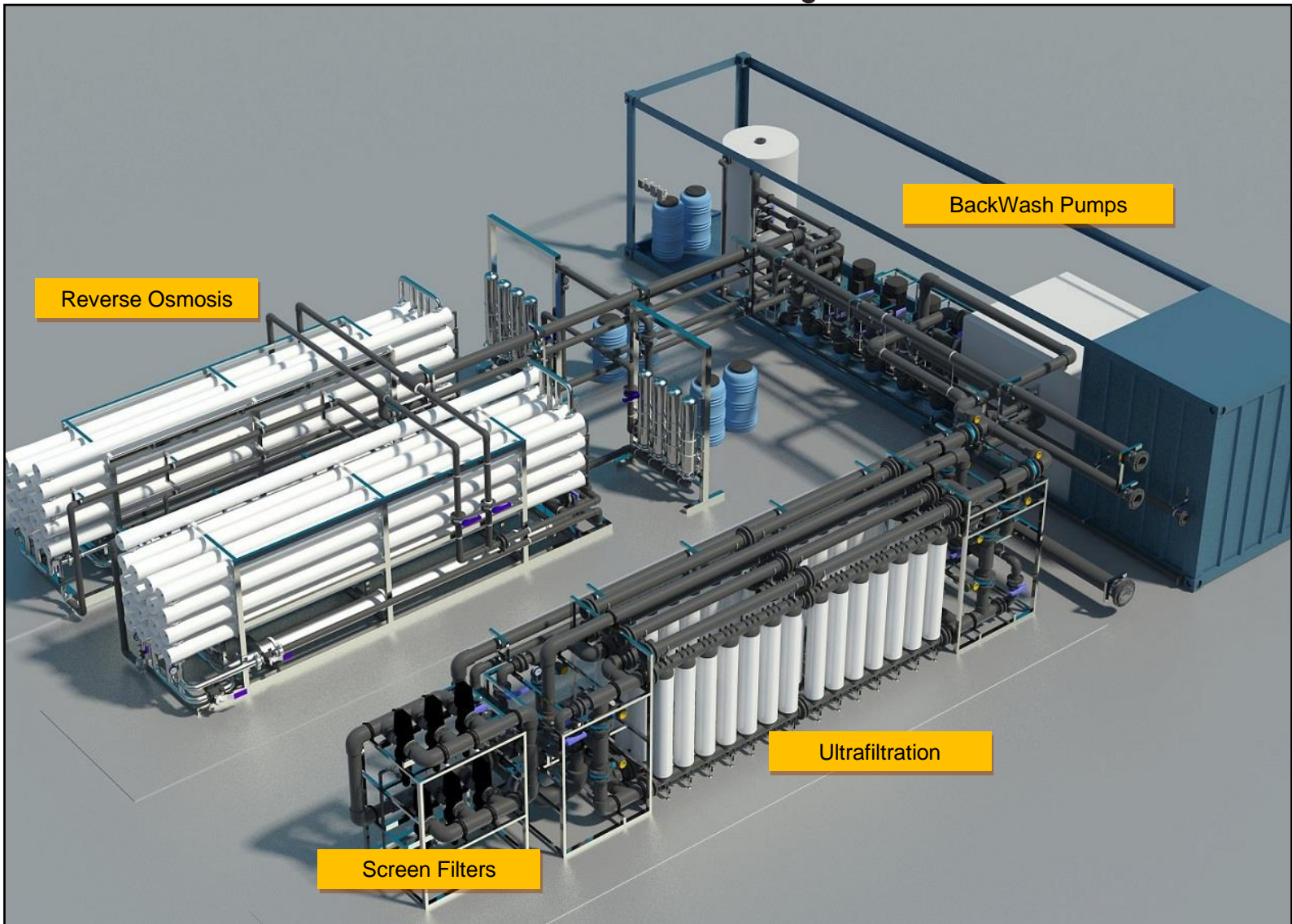
- ✓ Desalination of sea water for potable water producing
- ✓ Water pretreatment for steam production
- ✓ Water pretreatment prior using in semiconductors, food pharmaceutical and energy industries
- ✓ Municipal wastewater treatment
- ✓ Concentration processes in food industry.

A unique feature of Reverse Osmosis Desalination Plants is the smallest possible specific cost of production of high quality potable water.

Basic costs consist of the cost of electricity and the small amount of well known available reagents.

Desalination Plant works in a fully autonomous mode and requires minimal maintenance personnel.

Water Treatment Systems Challenges and Solutions

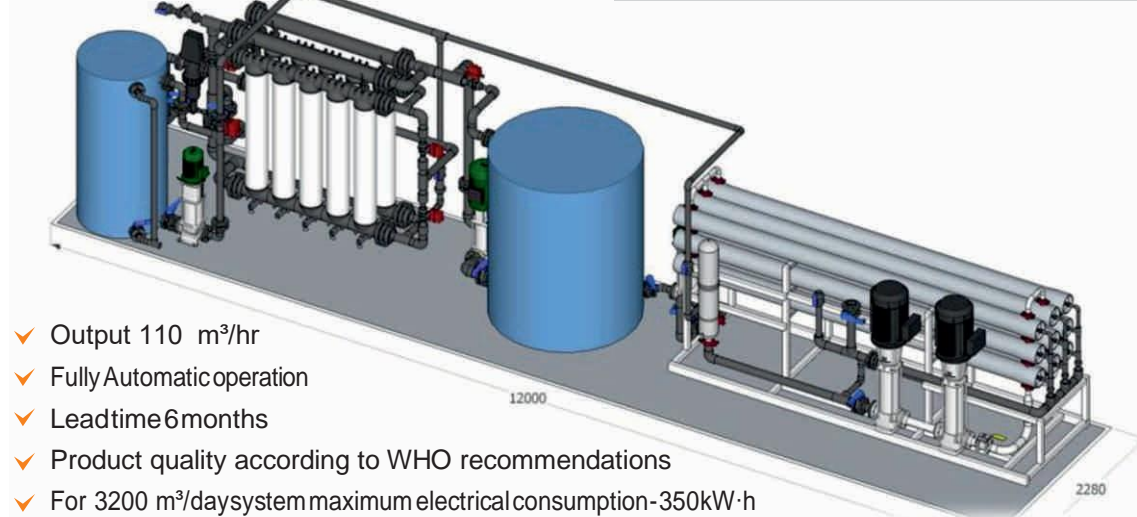


Water Treatment Systems Challenges and Solutions



Containerized Station for Water Treatment Desalination

Product, m ³ /day	Q-ty HQ containers	Product, m ³ /day	Q-ty HQ containers
200-360	1 (combined)	1200-1600	3 (UF and RO separate)
360-720	2 (combined)	2400-3200	4 (UF and RO separate)
720-1080	3 (combined)	3200-4800	6 (UF and RO separate)
		4800-6400	7 (UF and RO separate)



- ✓ Output 110 m³/hr
- ✓ Fully Automatic operation
- ✓ Leadtime 6 months
- ✓ Product quality according to WHO recommendations
- ✓ For 3200 m³/day system maximum electrical consumption - 350 kW-h

