



**BUDAPEST  
WATERWORKS**



**PURECO**  
THE PURE ECO

**BDL**  
Environmental Consulting Ltd.

# ReWater

## Drinking water treatment container



### Master Unit

- Easy to adapt to different kind of contaminated freshwater sources
- 40 feet, high-cube container ready for sea shipping
- Plug and play
- Easy to start-up
- Cost-effective operation and maintenance
- High level of automation, requires minimal operation intervention



180 m<sup>3</sup>/day capacity:  
drinking water for  
72,000 people/day



Sustainable,  
environmentally  
friendly solution



Quick and easy  
installation



Reuse of biologically  
treated wastewater



Remote  
supervision



Latest technological  
development



Provide potable water  
from any kind of  
contaminated freshwater



Cost-effective  
operation



Safe  
operation



0-24 operating hours



Modular,  
containerized  
system

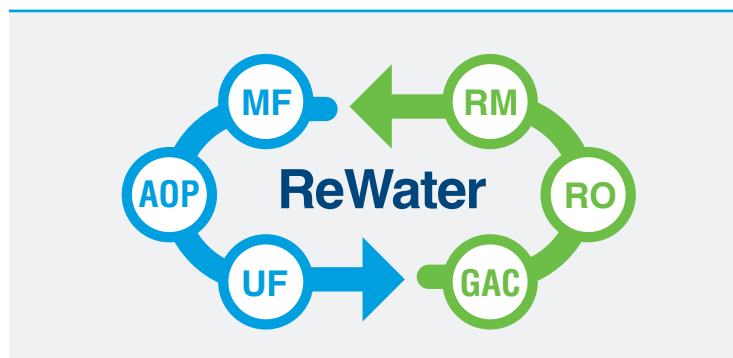


Disaster areas,  
water scarcity

Pureco Ltd. and Budapest Waterworks developed a containerized drinking water treatment unit ready to produce potable water even from wastewater, which is biologically treated.

ReWater container is equipped with the latest technological development operating with Reverse Osmosis technology, installed after suitable physical-chemical pre-treatment. This technology is containerized which means transportable, compact, easy to install solution being developed according to the current needs and given tasks addressed the number of modules and interconnections in a flexible way.

ReWater drinking water treatment container is easy to install where it is most needed such as high risk areas of water scarcity, contaminated freshwater sources, in case of disasters, etc.



## Phases of the technology

**MF – Multimedia Filters:** removal of suspended solids, reduction of organic matter and phosphorus concentration

**AOP – O<sub>3</sub> + H<sub>2</sub>O<sub>2</sub> + UV:** oxidation of organic residuals and bacteria

**UF – Ultrafiltration:** removal of residual suspended solids, pre-treatment of RO influent

**GAC – Granular Activated Carbon:** adsorption of oxidants

**RO – Reverse Osmosis:** removal of dissolved contaminants, pathogens and viruses

**RM – Re-Mineralization:** disinfection and replacement of trace elements

### Technical data

<b>Maximum treatment capacity</b> (depending on potential raw water intake)	180,000 litres/day 7,500 litres/hour
<b>Maximum number of residents to be provided*</b>	72,000 persons/day
<b>Main power supply required</b>	60 kWh 3 x 150 Amper
<b>Equipment size</b>	standard HC 40 foot shipping container
<b>Total weight of equipment</b>	20,000 kg

\*2.5 litres/day/person WHO reference



## Fields of application

- by surface waters  
(even if they are contaminated)
- in case of disasters
- in case of water scarcity

## We respect our waters

Currently one out of five people live without access to drinking water. The United Nations predicts that 35% of the world's population is going to experience water shortages by 2025.

We are proud that ReWater containerized drinking water treatment system is capable to provide valuable clean water for thousands of people in the future.