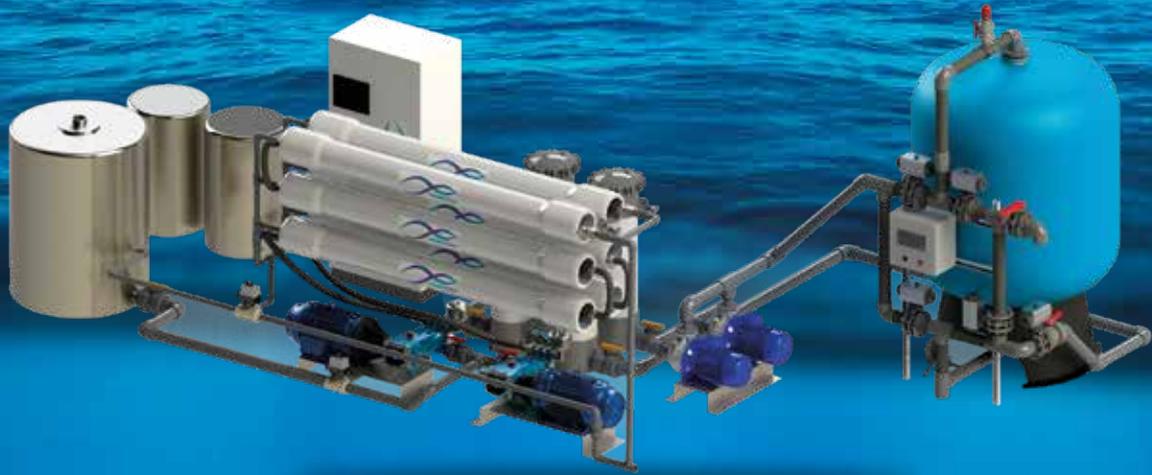


hidrotay.com

Another world is possible... for water



**When water goes back to being
only what it should be: H₂O**

Reverse Osmosis · Filtration · Ultrafiltration · Ozone Disinfection



Sustainable technologies
for water treatment and recovery



We live on a planet with limited resources. We have learnt that if the planet loses, we also lose. Climate change, pollution, unsustainable consumption... in all of these contexts, water, the most important resource that Nature has given us, is constantly present. At times, we think that technology is partly to blame. However, how it is used is to blame. At Hidrotay, we use the technology that makes a better world; modern, sustainable and efficient systems, to recover unusable water and turn it into the primeval and healthy liquid that our ancestors drank. We are part of the water cycle.

A thousand and one lives of water

Types of Water



Rain, Rivers



Marine and Brackish Water



Wastewater



From the supply network
(for special treatments)

Treatment Systems

Reverse Osmosis

Filtration
Ultrafiltration
(up to 0.01
microns)

Hidrotay
Technologies

Ozone
Disinfection

Dosing
and control

Final Destination



Human
consumption



Industry:
food,
pharmacological,
shipbuilding,
aquaculture,
canning, etc.



Irrigation
Agriculture
Swimming Pools



Reverse Osmosis

Reverse Osmosis is a water purification system based on our own biology, on the use of membranes that separate the unwanted impurities from the water in the same way as cells in living beings. Sectors like the food industry – fish farms, processing plants, canning factories – or the pharmacological industry require the highest quality water treated by reverse osmosis, or on board a vessel, with modern, customised equipment to desalinate and purify water at a capacity of up to 500 litres an hour.



Filtration and Ultrafiltration

Using this equipment, the tiniest solid elements are eliminated. The Hidrotay advanced systems can be personalised to filter specific solids, such as iron, magnesium, etc. This technological diversification enables us to design highly specialised equipment, such as water softeners, dechlorinators, denitrifiers or deionizers, all of which are essential at large chemical and food plants. With respect to ultrafiltration equipment, our systems can detect particles of 0.01 micrometres without altering the physical-chemical parameters of the water.



Ozone Disinfection

Ozone disinfection systems are the great ecological revolution in water treatment, as they avoid the need to use chemical agents, such as chlorine or bromine, which have an impact on the environment. Ozone eliminates viruses, bacteria, chemical pollutants and smells.



Hidotay also offers combined ultrafiltration and reverse osmosis systems, which jointly obtain quality and efficiency levels that reach the highest standards on the market.



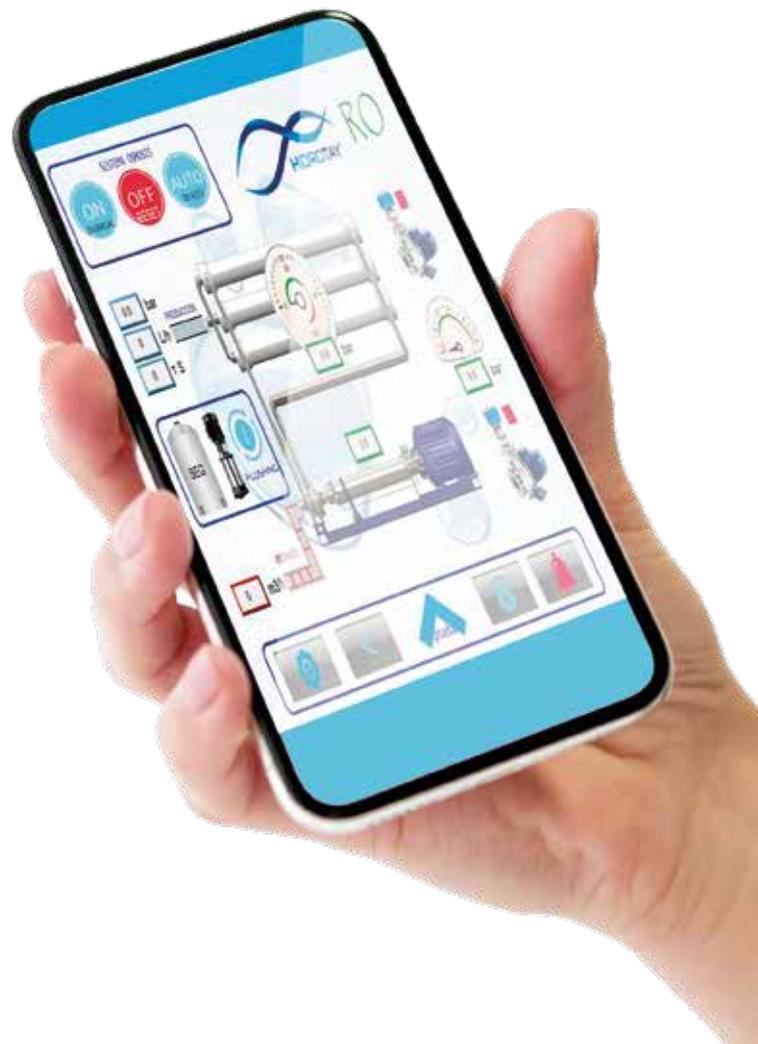


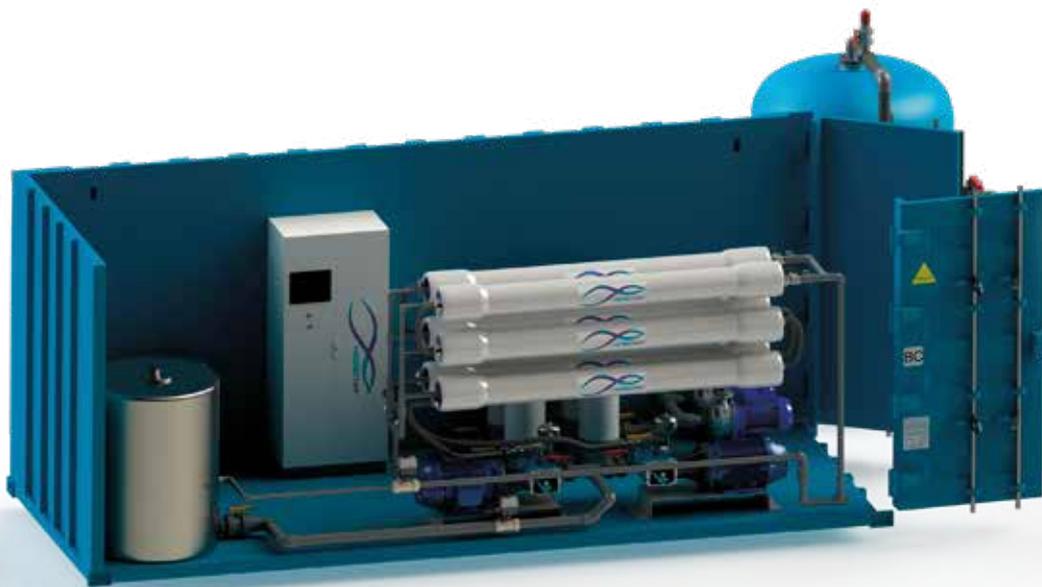
The product is born from software...

The first key to Hidrotay's success is the product, designed as advanced technology, starting with the design of the software that runs the equipment with the utmost efficiency and minimum consumption. With more than twenty years experience in this sector, our engineers design a customised 4.0 "brain" for the customer and its needs. With this programming, it is possible to control the equipment remotely at any time.

... Quality is assured with the turnkey service

The second key to success is customer service, which commences with a consultation to analyse the real needs and hence design customised equipment, bearing in mind details that are sometimes overlooked, such as the acoustic insulation of the machinery. Hidrotay follows the entire useful life of its products, from their design and installation to maintenance, and our technicians travel all over the world to deal with emergencies. The equipment produced by Hidrotay is certified by leading classification entities, such as Lloyd's Register or DNV GL.





Sustainable technologies for water treatment and recovery

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