

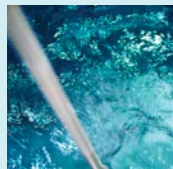


MODERNWATER

Modern Water Group is a leading provider of patented water technologies. Led by a highly experienced management team, we have global reach with operations in the Middle East, Europe, South Africa, China and the UK. In all our markets and across our suite of technologies, sustainability and environmental responsibility are at the heart of what we do

We own a suite of proprietary technologies aimed at addressing the global issue of fresh water availability and the treatment and disposal of wastewater. Our core technology is a patented Manipulated Osmosis platform technology which can be applied across a number of industries, including but not limited to desalination, evaporative cooling systems, secondary oil recovery and Hydro Osmotic Power.

The Group's technology portfolio also includes Cymtox – a real-time toxicity testing system that has already achieved commercial success; and AguaCure – a technology for removing dissolved contaminants from water without the use of chemicals. Each technology offers environmental benefits over traditional processes, as well as substantial reductions in energy use and chemical consumption, thereby significantly reducing both opex and capex.



For more information visit our website at:
www.modernwater.co.uk or call +44 (0)1483 696 000

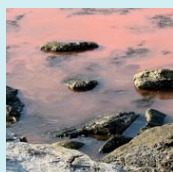
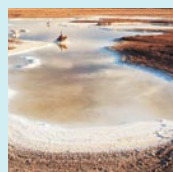
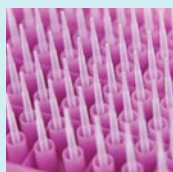


Introduction to our Manipulated Osmosis platform technology

Modern Water's patented Manipulated Osmosis technology can be applied in a variety of existing and new applications, delivering significantly reduced operating costs and increased membrane life

We have deployed this platform technology at a number of sites producing both desalination water and cooling tower make-up water, in Oman and Gibraltar. The technology has proven to deliver substantially lower operating costs by reducing energy use, reducing chemical consumption, with robust fouling resistant membranes and ultimately a lower carbon footprint than competing technologies.

The applications for this technology range from desalination to the generation of renewable power, delivering in many cases significant advantages both economically and environmentally.





Manipulated Osmosis Desalination (MOD)

Our patented MOD process offers significant benefits over traditional desalination methods

Plants currently operating in Gibraltar and Oman are the first in the world to put desalinated water from our innovative MO technology in to their public water supply. They have proven to deliver substantially lower operating costs by reducing energy use by up to 30%, with higher availability than conventional reverse osmosis plants, reducing chemical consumption and carbon footprint.

The process is significantly more environmentally friendly than existing methods. It is also inherently less prone to fouling than conventional membrane plant. Further savings are achieved including substantially lower levels of boron without additional treatment along with reduced downtime and maintenance leading to increased availability and significantly extended membrane life.

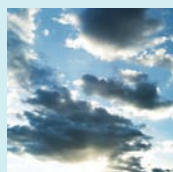
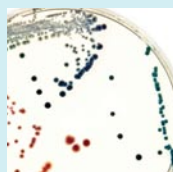
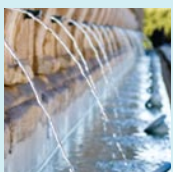
Evaporative Cooling Systems

Modern Water now operates the first evaporative cooling system to use the Manipulated Osmosis process

The process has proven to reduce power consumption by up to 90% with associated opex, and reduces capex by up to 50%. It works by producing high quality process water from seawater or brackish water sources, to supply make-up water to the evaporative cooling process via the Manipulated Osmosis process. In this way it displaces the use of other costly and scarce water sources, such as desalinated water or treated potable water.

Utilising a fraction of the electricity of a conventional reverse osmosis desalination plant to provide the same quantity of water; this technology has the potential to transform the market.

This radical new process has been demonstrated in a plant situated in Oman, where ongoing operations are achieving excellent results.



CTM™ is quicker,
more cost effective
and more accurate
than its competitors



Cymtox CTM™

The Cymtox CTM™ Continuous Toxicity Monitor is the only real-time broadband continuous toxicity monitor currently available. The technology works by using bioluminescence to detect the presence of toxins and immediately warn of suspicious changes.

First sales of the monitor have been achieved in China and further opportunities are being developed in the Middle East, US and UK markets.

Cymtox Limited became a wholly-owned subsidiary of Modern Water, when the Group purchased the remaining shares in Cymtox in December 2009. This enables Modern Water to reap the full benefit of existing and future sales of the leading CTM™ units.

AguaCure's tried
and tested system
offers major
environmental and
financial benefits

AguaCure

AguaCure Limited, a majority-owned company of Modern Water Group, uses proprietary chemical free electro-coagulation technology to remove contaminants from water.

AguaCure's tried and tested system offers major environmental and financial benefits over competitor technologies through removing dissolved and suspended contaminants from water whilst eliminating bacteria and viruses.

The process also reduces sludge volumes when compared to chemical treatment. The equipment has a small footprint, given the large volumes that can be treated, and is cost-effective in its use of power.

Its versatility allows the process to be used in a variety of applications including acid mine drainage, contaminated land soil washings, tannery wastewater aquaculture and treating phosphate-contaminated water.

If you would like to find our more about our leading portfolio of water technologies, please contact us or visit our website:

www.modernwater.co.uk

General Enquiries

Bramley House, The Guildway
Old Portsmouth Road,
Guildford GU3 1LR United Kingdom

Tel: +44 (0)1483 696 000

Fax: +44 (0)1483 506 687

Email: info@modernwater.co.uk

