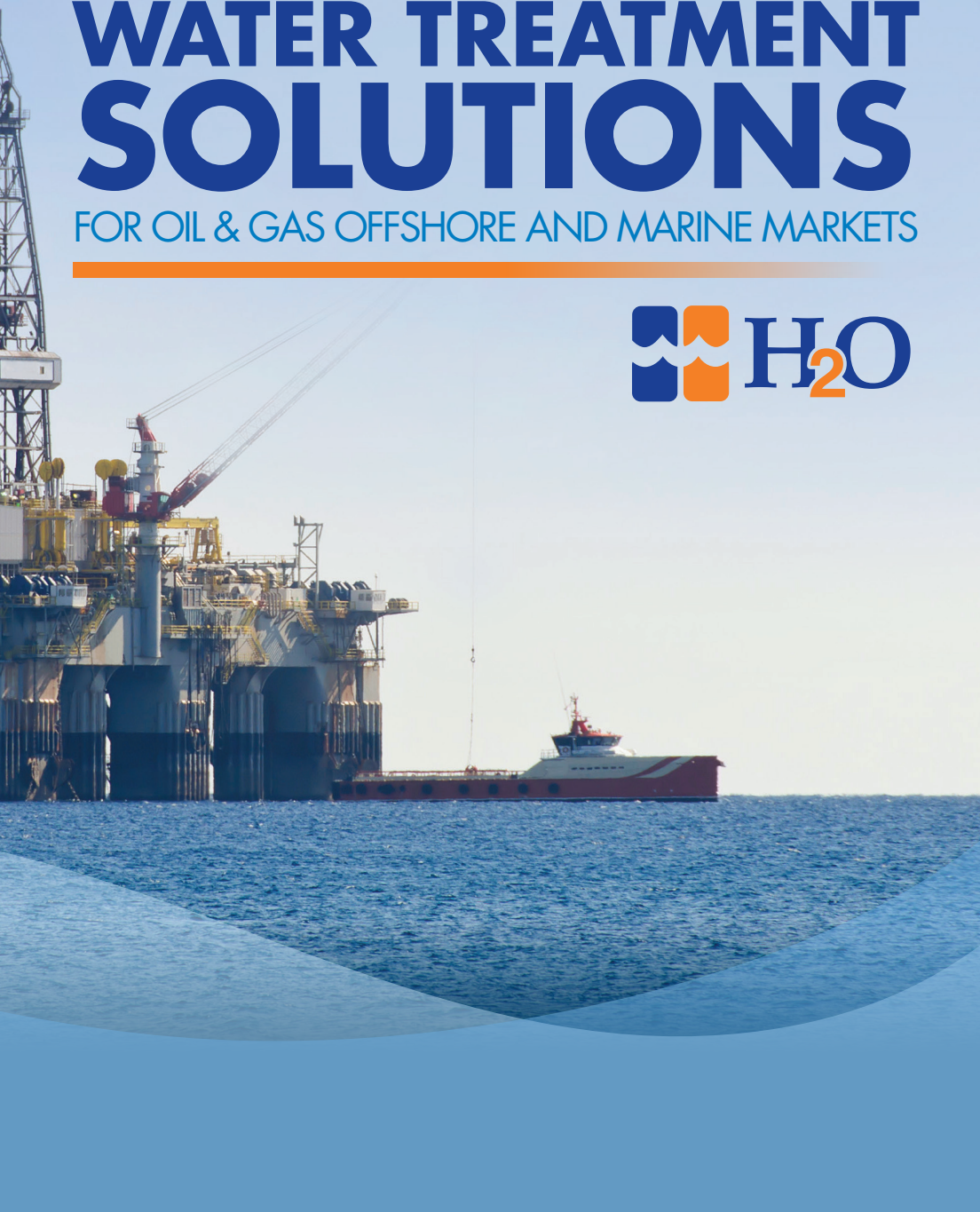


WATER TREATMENT SOLUTIONS

FOR OIL & GAS OFFSHORE AND MARINE MARKETS





DIVISIONS OF



- Reverse osmosis desalination systems
- Potable water monitoring systems
- Potable water storage skids
- Pressure sets
- Deionization systems
- Ultraviolet disinfection systems



- Sewage treatment units
- Lift stations
- Vacuum collection systems
- Surge tanks
- Grease traps



- Sodium hypochlorite generators
- Seawater filtration packages



- Ecodosing
- Biofouling monitoring service

RENTALS

To assist customers in meeting short-term demands and unexpected situations, we offer equipment for rental. Renting equipment may complement your business in a variety of ways:

- **Temporary needs.** If the need is for a short-term activity, consider renting. Most of our rental customers do so for jobs that last less than a year.
- **Save capital expenditure budget.** Renting can convert fixed costs into variable costs, produce favorable debt-to-equity ratios, and increase borrowing capacity.
- **Supplement.** When your equipment can no longer meet fresh water demand or sewage regulatory requirements, don't sacrifice. We can supplement your needs with our vast inventory.
- **Try before you buy.** Renting allows equipment users to evaluate the equipment's overall utility for the business.
- **Zero cost of ownership.** Rental provides "like new" equipment maintained and serviced by our factory trained field engineers.

WATERMAKER

SIZES	FEATURES & BENEFITS
50 bbl/day 120 bbl/day 250 bbl/day 500 bbl/day 660 bbl/day	Class I Div II Simple one-button operation – make life easier for operators Water lubricated pump – no oil leaks to worry about High TDS, automatic diverter valve – don't risk employees' health High surface area pre-filters – reduces operator intervention by ten-fold

A product of H2O Watermaker Division.



SEWAGE TREATMENT UNIT

SIZES	FEATURES & BENEFITS
750 gpd 1546 gpd 3500 gpd	Class I Div II Dual-certified (U.S.C.G. & IMO) – meets discharge regulations worldwide Only one moving part – experience 99% uptime Unitary construction with lifting eyes – makes it easy to install Odor control and bacteria auto-feed system – reduces operator intervention

A product of H2O Wastewater Division.



Leveraging OEM know-how, H2O's highly trained and qualified field engineers will provide all planned maintenance, emergency support and added value services resulting in optimal equipment performance and reduction in operating costs. See pages 3 & 4 for features and benefits.



A LEGACY OF CLEAN

For more than 30 years, our Bluecube watermakers have set the standard for seawater desalination in the oil and gas industry, producing potable water that complies with all regulations and guidelines set by Environmental Protection Agency and World Health Organization.

Our systems are rugged, reliable, cost-effective and easy to use. And they come with the best warranty in the business — a full year of coverage for both parts and labor.

Our Watermaker division offers reverse osmosis seawater desalination systems, storage tanks, media, carbon and sediment filters, water heaters, bunkering filters, ultraviolet disinfection, deionization tanks, wash-down systems and pressure sets.

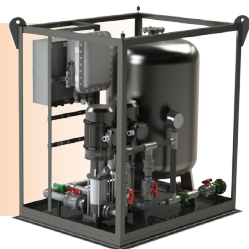
RO DESALINATION SYSTEMS:

- produce potable water that's safe for people and plumbing
- simple one-button operation
- capable of operating reliably in shallow high silt environments
- sized to support crews from 2 to 200
- extensive safety features



SINGLE-SKID TREATMENT PACKAGES:

- save space by installing multiple offerings on a single skid
- reduce plumbing — no need to connect separate skids



PRESSURE SETS:

- compact
- ASME-rated bladder tanks and 316L SS pumps
- true lead lag technology
- plumbing options include PVC, CPVC, welded stainless steel, threaded galvanized steel



We are the most knowledgeable in the industry when it comes to international laws and regulations that pertain to your potable water supply.



COST-EFFECTIVE, SIMPLE SOLUTIONS FOR SEWAGE TREATMENT

With more than 4,000 units manufactured and installed throughout the world, H₂O's sanitation devices are known for their high quality and dependability. Our systems are so tough, you can almost forget about them.

They require little maintenance and can be easily installed in any area. And because their performance meets or exceeds industry standards, you can be confident our units will help you meet regulatory requirements.



FEATURES & BENEFITS

- Biological sewage treatment
- Dual-certified, USCG and IMO - allows for operation anywhere in the world
- Stock sizes or custom-designed units
- Ultra-low maintenance with only one moving part
- Biomass carriers improve biodegradation and reduce footprint
- Heavy duty steel construction
- Fully corrosion protected for decades of dependable service
- Simple disinfection system with no parts to break or clog
- Serves crews from 2 to 500

We also offer complementary products including lift stations, vacuum collections systems, surge tanks and grease traps, as well as aftermarket parts and services for most biological and electrolytic sewage units.





THE SAFE SOLUTION TO CONTROL MARINE BIOFOULING

The accumulation of marine organisms or biofouling can be costly, as it causes corrosion, diminishes heat transfer and increases pipe losses through flow restrictions.

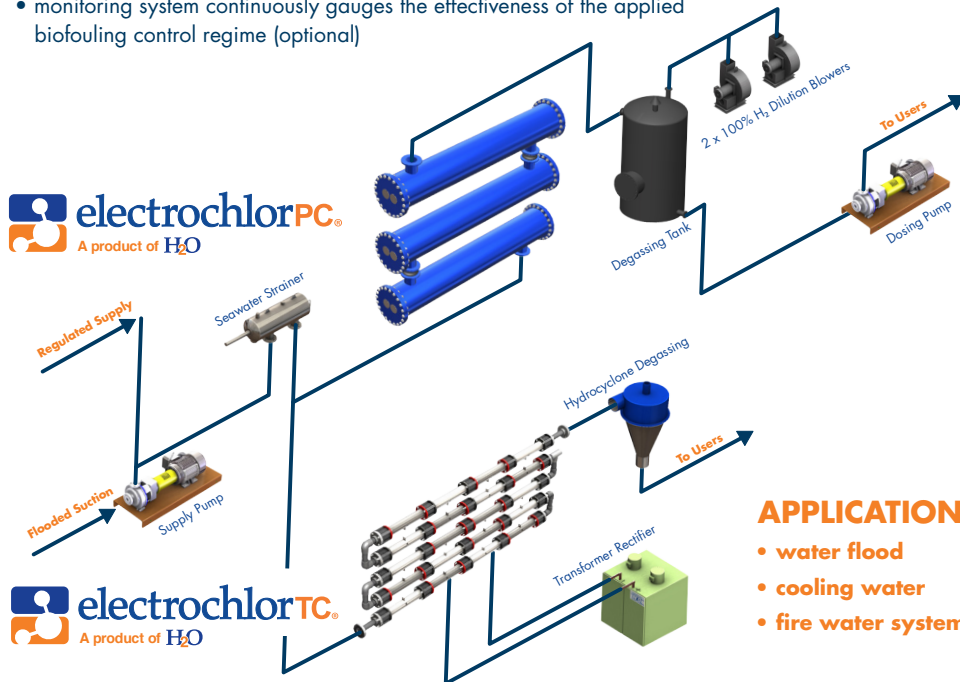
Our electrochlorination systems allow for on-site generation of sodium hypochlorite - providing a safe and cost-efficient method for biofouling control.

We offer both concentric tube and parallel plate electrolyzer technology.

FEATURES & BENEFITS

- fully automated
- complies with globally recognized standards
- suitable installation in non-hazardous and hazardous areas
- designed to meet seasonal and operational dosing requirements at minimum cost
- eliminates handling, transportation, and storage of hazardous chemicals
- monitoring system continuously gauges the effectiveness of the applied biofouling control regime (optional)

THE CHEMICAL REACTION IS EXPRESSED AS FOLLOWS:
 $\text{NaCl} + \text{H}_2\text{O} + \text{Electricity} \rightarrow \text{NaOCl} + \text{H}_2$



APPLICATIONS

- water flood
- cooling water
- fire water system

BIOFOULING MONITORING SERVICE

Do you have adequate biofouling control to protect your equipment and pipes?

Biofouling in the cooling water system can have dire consequences on unit operations and may cost millions of dollars in operational inefficiencies and down time.

H₂O's biofouling monitoring service combines Biovision Monitor™, a proprietary biofouling detection technology, and expert analysis to provide timely and continuous assessment of the effectiveness of the applied biofouling treatment.

Our monitor is placed at a critical point in the intake/cooling system to provide real-time insight. If the treatment is not effective, it will immediately reveal the presence of biofouling organisms.

DETECT NEW INVASIVE SPECIES

Biofouling treatment is typically established based on the species found at your location. However, when new invasive species enter the surrounding water, treatment requires adjustment. Our monitoring service detects new species, so that you can quickly take corrective action.

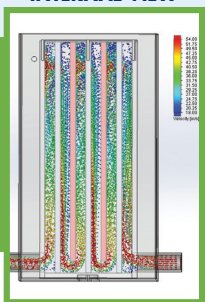
SERVICE PACKAGE INCLUDES:

- Identification of best location(s) for biofouling monitoring
- Installation and commissioning of Biovision Monitor™
- Bi-weekly assessment with full reports by our experts.
Data gathering options include site visit by company field technician or customer-assisted plate images.
- Expert advice

EXTERNAL VIEW



CFD MODEL - INTERNAL VIEW



INEFFICIENT CONTROL



EFFICIENT CONTROL



FEATURES & BENEFITS

- Designed to mimic real conditions of the cooling water system (construction materials and velocities)
- Detects broad range of species (for example: mussels, oysters, barnacles and hydroids)
- No power supply required
- Optional biofilm monitoring probe available

Dimensions: 73 x 40 x 40 cm
Weight: 7 kg



biovision
A service of H₂O Biofouling Solutions B.V.

Ecodosing™ follows the natural rhythm of biofouling organisms (including mussels, oysters, and barnacles) and tracks their response to biocides in order to calculate the most effective dosing method to control them. It results in a significant reduction of chemicals used in the biofouling control process.

For all applications, we recommend a monitoring system to continuously gauge the effectiveness of your biofouling control regime.

BENEFITS OF WORKING WITH H2O

Commitment to Quality

H2O is committed to providing high-quality products that our customers rely on. Our factory is ISO 9001-2008 certified and performs full acceptance testing on 100% of the equipment we manufacture before dispatching equipment to your job site.

Certified in Safety

H2O maintains a substantial marine liability insurance policy, and our technicians are trained and certified to work anywhere you need us – including offshore worldwide. Our water safety plans and audit services have been utilized by many of the largest drilling and production companies in the world to help reduce potable water related risks and control common water quality problems.



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WORLDWIDE SERVICE NETWORKS

