



Water Bird Water Treatment Chemicals L.L.C

"Engineering Water Sustaining Performance | Est. 1990"



ISO Certified:



UAE - Dubai, Abu Dhabi | Oman - Muscat | India - Karnataka | Qatar | Saudi Arabia



About Water Bird

Engineering Water Infrastructure Since 1990

Water Bird has grown from a specialist treatment company into an integrated engineering group serving the UAE, Oman, India, Qatar and Saudi Arabia. Today, we bring together treatment plants, recycling systems, chemicals, dosing solutions, pumps and long-term O&M support under one roof. What makes us different is the combination of engineering & science.

Chemical & Biological Laboratory - ISO/IEC 17025:2017 & Dubai Municipality Accredited helps us test, analyse and understand real operating conditions before recommending the right solution. Our Integrated Management System is also certified to ISO 9001, ISO 14001 and ISO 45001.

Looking ahead, we are focused on smarter and more sustainable solutions—reuse, resource recovery, energy efficiency, automation, digital monitoring and AI-assisted optimisation. The goal is simple: better performance, lower consumption, less waste and reliable systems built to last.





OUR PURPOSE

OUR VISION

OUR MISSION

OUR COMMITMENT

QUALITY

**Deliver dependable products,
engineered systems and services
that meet rigorous standards,
strengthen reliability, and create
lasting customer value.**

SAFETY

Protect people, partners and project environments through responsible practices, proactive risk management, compliance and continuous safety improvement.

SUSTAINABILITY

Advance circular water management through reuse, recycling, resource recovery and efficient treatment that reduce impact and conserve vital resources.

PARTNERSHIP

Build lasting relationships through transparency, accountability, responsiveness and technical support, working together to achieve successful outcomes.

INNOVATION

Improve treatment performance through laboratory science, automation, digitalisation, smart monitoring and AI-assisted, data-driven optimisation.



Accredited to
ISO/IEC 17025:2017
by the EIAC since
2013, Water Bird's
Al Quoz laboratory
delivers reliable,
actionable water
testing results
clients can trust.

John Samuel
Managing Director





Water Treatment Plant



High-performance filtration, RO, and softening systems engineered for maximum purity and operational efficiency.



Water Treatment Chemicals



Specialized chemical formulations to protect boilers, cooling towers, and membranes against corrosion, scale, and bio-fouling.



Dosing Systems



Automated, high-precision chemical injection skid packages for consistent, safe, and accurate chemical delivery.



Water Treatment Services



Comprehensive O&M, plant audits, chemical analysis, and lab-accredited testing services to ensure peak plant performance.

Services We Provide



Wastewater Treatment Plant



Advanced STP, ETP, and recycling plant solutions designed for regulatory compliance and efficient water reuse.



Specialty Chemicals



High-purity, custom chemical solutions tailored for complex industrial processes, clarification, and system optimization.



Pumps & Pumping Solution



Heavy-duty industrial pumps and custom pumping packages built for reliable fluid handling and system circulation.



HVAC Flushing Services



Chilled Water Pipeline Flushing, Hot Water Pipeline Flushing, Flushing Circulation Pump Rental and Flushing Side Stream Filter Rental



Water Treatment Plant

Every Drop Has a Journey. We Engineer It to Arrive Clean.

Water rarely begins its journey ready for use. Before it reaches a tap, a boiler, or a production line, it often carries impurities invisible to the eye like dissolved salts, minerals, sediment, and microorganisms. For more than 36 years, Water Bird has specialized in guiding water through that journey from its raw, unpredictable state to a clean, reliable resource organizations can depend on.

No two facilities share the same water challenge, which is why our engineering team designs each system around actual source water conditions and operating requirements, rather than fitting a standard solution to a non-standard problem.

Our Core Equipment Solutions:

Filtration Systems: Remove suspended solids, sediment, and turbidity, acting as the first line of defense for downstream equipment.

Water Softener Systems: Reduce hardness caused by calcium and magnesium, protecting pipelines, boilers, and mechanical systems from scale damage.

Reverse Osmosis (RO) Systems: Deliver advanced purification by removing dissolved salts and impurities at the molecular level, producing water suitable for the most demanding applications.

Disinfection Systems (UV, Ozone, Electro-Chlorination): Provide reliable microbial control, safeguarding water quality across potable, process, and facility systems.

Demineralization Systems: Produce high-purity water for industries where precision and consistency are non-negotiable, including healthcare, laboratories, and manufacturing.

In a hotel in Dubai, or a hospital ward in Abu Dhabi, a system like this is often working quietly behind the scenes, engineered, installed, and maintained by our team from start to finish.

The relationship doesn't end at commissioning. Water Bird stays involved well beyond installation, offering guidance, maintenance, and support for as long as the system runs.

Water Filtration Systems

Every drop of water tells a story before it reaches you and often, that story includes sediment, sand, silt, and impurities picked up along the way. Water Filtration Systems are where that story gets rewritten.

Acting as the first and most essential line of defense, our filtration systems remove suspended solids, turbidity, and visible particles before water moves any further into your system. Whether used as a standalone solution or as pre-treatment ahead of RO units, softeners, or UV disinfection, filtration protects every piece of equipment downstream extending its life and improving its performance.



Water Bird designs filtration systems for commercial buildings, hotels, industrial facilities, and process water applications, engineering each unit around your specific water source and flow requirements. Because before water can be purified, softened, or disinfected it must first be made clear.

Some filters we provide are:

- Multimedia Filter
- Iron Removal Filter
- Carbon Filter
- AFM Filter

Cartridge Filter Systems

If filtration is the first line of defense, cartridge filters are the fine print catching what larger systems leave behind.

Designed for precision, our cartridge filter systems remove fine particles down to exact micron ratings, ensuring water is polished before it reaches sensitive equipment. This level of detail matters most just before RO membranes, UV systems, dosing equipment, and final distribution points where even microscopic impurities can cause long-term damage.



Some filters we provide are:

- Cartridge Filter
- High Flow Cartridge Filters
- Bag Filter

We also supply the **spun, wound, pleated, and carbon block spares** your systems need to keep running without interruption.

It's a small detail with a big impact the final safeguard before water meets the equipment that depends on it.

Water Softener Systems

Hard water rarely announces itself immediately. It builds quietly inside pipelines, boilers, chillers, and fixtures until scale becomes a costly, recurring problem. Water Softener Systems interrupt that story early.

By removing calcium and magnesium through ion exchange, our softeners prevent scale formation before it ever has the chance to form, protecting the mechanical heart of your facility. The result isn't just cleaner water it's longer equipment life, lower maintenance costs, and systems that run the way they were designed to.

We offer Softeners for various applications:

- Residential
- Industrial
- Commercial



Water Disinfection Systems

Clear water isn't always safe water. Beneath the surface, bacteria, viruses, algae, and biofilm can remain invisible, but capable of compromising water quality and system performance. Our Water Disinfection Systems close that gap.

We offer methods tailored specifically for your applications:

- UV Sterilizers for chemical free disinfection
- Chlorine Dioxide for advanced disinfection and biofilm control
- Copper Silver Ionization for microbial control
- Chlorine Dosing for controlled disinfection
- Ozone Treatment for odour control
- Electro Chlorinators for on-site disinfectant



Whichever method fits your system, the outcome is the same water people can trust, and systems that stay protected from microbial growth.

Cooling Water Treatment Equipment

Cooling towers and HVAC systems work hard, and the water circulating through them works just as hard carrying dirt, minerals, and microbial risk with every cycle. Our Cooling Water Treatment Equipment is engineered to manage that load.

Left untreated, these issues quietly erode system efficiency and shorten equipment life. Treated correctly, cooling systems run cleaner, longer, and more efficiently with lower energy costs and fewer unplanned shutdowns. For facilities where uptime matters, this is where reliability begins.

We offer systems for various applications:

- Side-Stream Filtration
- centrifugal Cyclone Filters
- Disc and Screen Filters
- Bag Filters
- Basin Sweeping Systems
- Automated and Manual Dosing Systems



Demineralization Systems

Some applications demand more than clean water they demand pure water, free of dissolved minerals and ions that can interfere with sensitive processes. Our Demineralization Systems are built for exactly that standard.

We offer systems for various applications:

- Cation and Anion Dual Bed DI
- EDI System
- Mixed Bed DI



These technologies work together to strip water of dissolved solids, producing the low-conductivity water required for boiler feed, laboratory use, and precision manufacturing. The right configuration depends on your required purity level, feed water quality, and operational preferences.

Industries like power generation, pharmaceuticals, and high-tech manufacturing depend on this level of purity where even trace minerals can affect product quality or equipment performance. Water Bird engineers demineralization systems around your exact purity targets, ensuring consistent, dependable results every time.

Ultrafiltration Systems



Membrane technology has changed what's possible in water treatment and Ultrafiltration Systems sit at the center of that shift. Using fine membrane filtration, our UF systems remove suspended solids, bacteria, and colloidal particles that conventional filtration can miss.

This makes them ideal as pre-treatment ahead of RO systems, as a polishing step for potable water, and as a core technology in wastewater reuse and industrial filtration projects.

Our UF systems are built for flexibility whether you need a compact solution for a commercial facility or a rapidly deployable system for a temporary or industrial site. It's precision filtration for facilities that can't compromise on water quality.

Configurations offered:

- Skid Mounted • Containerized

Both configurations share the same membrane technology and filtration performance — what changes is how quickly they deploy. Skid-mounted units are compact and self-contained, suited to facilities with limited space. Containerized units are weatherproof and fully enclosed, built for rapid deployment at temporary, remote, or industrial sites. Either way, facility teams get long-term reliability without compromising on installation speed.

Self-Cleaning Filters



Continuous operations need continuous filtration without the constant manual attention that traditional filters demand. Self-Cleaning Screen and Disc Filters solve that challenge.

Using automated screen and disc filtration technology, these systems clean themselves during operation, maintaining consistent filtration performance without shutting down or requiring frequent manual servicing.

Ideal for industrial water, cooling water, and demanding process water applications, self-cleaning filters reduce labour requirements while improving reliability, a valuable combination for facilities where downtime carries a real cost. It's filtration designed to keep pace with operations that never stop.



Reverse Osmosis Systems

Reverse osmosis systems reduce dissolved salts, TDS, minerals, hardness and selected impurities from water. RO systems are used for potable water, process water, desalination, commercial water treatment, industrial applications and specialized water quality needs.

Commercial Brackish Water RO

Commercial brackish water RO systems treat moderate salinity water for buildings, hotels, restaurants, schools, industries and infrastructure projects. Engineered around specific feed water characteristics, these systems deliver consistent output while minimizing scaling and fouling risks.

Robust pre-treatment stages protect membranes and extend service life, reducing downtime and long-term operating costs. Whether supporting daily building operations or continuous industrial processes, our RO systems are built for dependable performance, easy maintenance, and long-term reliability.



Seawater RO

Seawater RO systems are designed for desalination of seawater and high-salinity feed water in coastal, industrial, infrastructure and utility applications. High osmotic pressure is the defining challenge here, and our systems are built around it, from membrane selection to pump configuration.

Pre-treatment plays an equally critical role, guarding against fouling and scaling before they become costly problems. The outcome is dependable freshwater output, membranes that last, and operating costs that stay predictable across coastal utilities and industrial sites alike.



Medical Grade RO



Medical grade RO systems are used for healthcare, laboratory and critical water quality applications requiring careful design and monitoring. Every component is selected with precision, since water purity here directly affects patient safety and diagnostic accuracy.

Continuous monitoring and validated performance ensure consistency batch after batch. Redundancy is built into critical stages, so hospitals, clinics, and laboratories can rely on uninterrupted water quality, even during peak demand or routine maintenance cycles.

Residential RO



Residential RO systems improve drinking water quality for homes, villas, apartments and offices. Compact and low-maintenance by design, these systems fit seamlessly into daily life, delivering clean, great-tasting water on demand.

Simple servicing and reliable performance mean less to think about and more to enjoy, whether for a single household, a villa, or an entire residential or office building. It's water quality that quietly does its job, day after day, without asking for attention.

Skid / Containerized



Skid-mounted and containerized RO systems provide compact, pre-engineered water treatment solutions for quick installation and reliable operation. Built and tested off-site, they arrive ready to connect, cutting commissioning time significantly.

This makes them well suited to remote sites, temporary operations, and fast-track infrastructure projects, where speed, dependability, and minimal on-site work all matter equally. Each unit is engineered to perform reliably from day one, wherever it's deployed.





Wastewater Treatment Plant

Every Ending Deserves a New Beginning

Water's journey doesn't end once it's used. Every sink, shower, drain, and production line sends water onward, carrying with it solids, organic matter, and contaminants that must be addressed before it can return to the environment or be reused. For more than 36 years, Water Bird has specialized in guiding that water through its next chapter, from used and unsafe to treated, compliant, and ready for a second purpose.

Our Wastewater Treatment Plant combines engineering precision with real operational experience, translating complex compliance requirements into systems that simply work, day after day.

Our Core Equipment Solutions:

Sewage Treatment Plants (STP): Use biological and mechanical treatment to remove organic matter and solids, producing safely reusable water for communities and facilities.

Effluent Treatment Plants (ETP): Treat process-specific industrial wastewater to meet strict discharge and compliance standards.

TSE Polishing Plants: Refine treated water further to meet the higher standards required for irrigation and non-potable reuse.

Grey Water Recycling Systems: Capture and treat water from sinks, showers, and laundry for irrigation, flushing, and other non-potable needs.

Sludge Dewatering & Neutralization Systems: Reduce sludge volume and correct effluent pH, supporting responsible disposal and infrastructure protection.

Water leaves a residential tower or an industrial site, passes through treatment, and returns safely for reuse, a routine our team supports daily across the UAE, GCC, MENA, and India.

We treat every wastewater project as an ongoing relationship, not a one-time delivery, staying engaged through commissioning, operation, and everything after.

Sewage Treatment Plant (STP)

Wastewater doesn't have to be wasted. Our Sewage Treatment Plants give it a second life, using biological and mechanical treatment to remove organic matter, solids, and contaminants. The result is safely reusable water that supports compliance and sustainability for communities, hotels, and industrial facilities alike. Each plant is sized to match site-specific flow and discharge requirements.



Effluent Treatment Plant (ETP)

Every industry produces water with its own story to tell. Our Effluent Treatment Plants are engineered to understand that story, treating process-specific wastewater to meet strict discharge and compliance standards. Built for manufacturing, food processing, and oil and gas facilities, ETPs protect both operations and the environment, safeguarding long-term regulatory standing.



Treated Sewage Effluent Polishing Plant (TSE)

Good treatment isn't always the final step. Our TSE Polishing Plants refine already-treated water further, elevating it to meet the higher standards required for irrigation, landscaping, and non-potable reuse. It's the finishing touch that turns treated effluent into a dependable, compliant resource, reducing reliance on freshwater sources. Each system is configured to match the specific reuse application and quality target, from public parks to large-scale landscaping.



Grey Water Recycling Systems



Water from sinks, showers, and laundry still has work left to do. Our Grey Water Recycling Systems capture it, treat it, and put it back to use for irrigation, flushing, and other non-potable needs, helping residential and commercial developments reduce freshwater consumption without compromising performance. Designed to integrate into new or existing building infrastructure, these systems turn an ongoing cost into a manageable, sustainable resource.

Vehicle Wash Water Recycling Plant



Washing a vehicle shouldn't mean wasting water. Our Vehicle Wash Water Recycling Plants treat and reuse wash water on-site, removing oils, sediments, and contaminants along the way. Facilities benefit from significantly lower freshwater use and operating costs, without sacrificing wash quality. It's a practical fit for car washes, fleet depots, and facilities managing high daily vehicle turnover, where consistent water availability directly affects operational uptime.

Sewage Lifting Station & Odour Control Unit



When gravity can't finish the job, our lifting stations take over, pumping wastewater efficiently to its treatment destination. Paired with odour control units, they also manage emissions along the way, keeping operations compliant and surrounding communities comfortable. Together, they're engineered to run reliably in the demanding, low-visibility conditions these systems typically operate in.

Sludge Dewatering Systems

Treatment always leaves something behind, and how it's handled matters. Our Sludge Dewatering Systems reduce sludge volume and moisture content, simplifying disposal and lowering handling costs. It's a smaller footprint with a bigger impact on responsible, long-term waste management. The right system depends on sludge characteristics and site constraints, which we assess before recommending a configuration because the wrong choice here quietly drives up operating costs for years.



Neutralization System

Water carries balance, and sometimes that balance needs correcting. Our Neutralization Systems bring acidic or alkaline effluent back within safe pH limits before discharge or reuse, protecting downstream infrastructure from corrosion and helping facilities stay compliant with confidence. Continuous monitoring ensures correction keeps pace with fluctuating influent conditions, not just average ones, so compliance holds even during process upsets or variable production loads.



Customized Recycling Plant

No two facilities share the exact same water challenge. Our Customized Recycling Plants are engineered around your specific wastewater characteristics, flow requirements, and reuse goals, delivering tailored solutions, including zero liquid discharge, where standard systems simply aren't enough. From concept through commissioning, each plant is designed as a complete system, not an assembly of standard components, so performance is validated as a whole rather than assumed from individual parts.





Water Treatment Chemicals

The Right Balance for Every Drop

Clean water rarely stays clean on its own. Left unmanaged, even properly treated water can develop scale, corrosion, and microbial growth over time as it moves through pipelines, boilers, cooling towers, and process systems. For more than 36 years, Water Bird has specialized in maintaining that balance, keeping water chemistry stable long after treatment is complete. Getting the chemistry right takes more than good formulations. It takes people who understand how water behaves differently in every system, and Water Bird brings that understanding to every dosing programme we support.

Our Core Chemical Solutions:

General Water Treatment Chemicals: Protect chilled water, cooling towers, boilers, potable water, and swimming pools from scale, corrosion, and contamination.

RO Treatment Chemicals: Include biocides, antiscalants, coagulants, and membrane preservatives that extend the life and performance of RO systems.

Packaged Drinking Water Minerals & Additives: Restore essential minerals lost during purification, improving taste and water quality.

Wastewater Treatment Chemicals: Include coagulants, flocculants, and pH correction chemicals that support compliant, responsible wastewater management.

A cooling tower, a boiler, an RO plant, each depends on chemistry tailored to its conditions, supplied and supported by our team so operations continue without interruption.

Our involvement doesn't stop at delivery. We stay close to the chemistry, adjusting and supporting programmes as conditions change over time.



Water Treatment Chemicals

Every system carries water differently, and each one needs its own protection. Chilled water loops need corrosion and sludge control without disturbing loop chemistry. Cooling towers need scale, corrosion, and biological control under constant cycling. Boilers need protection against oxygen attack and scale at higher temperatures. Potable water needs disinfection and pH stability without compromising quality. Swimming pools need consistent disinfection and clarity under variable bather load.

Every program is backed by water testing at our Dubai Municipality-accredited laboratory, matching chemical selection to actual water conditions — keeping performance steady wherever water flows.



We offer Chemicals for the following applications:

- Chilled Water Treatment
- Cooling Tower Treatment
- Boiler Water / Hot Water Treatment
- Potable Water Treatment
- Swimming Pool Treatment
- Flushing Chemicals

Reverse Osmosis Treatment Chemicals

RO membranes work hard, and they deserve protection in return. Our RO chemical range keeps membranes performing efficiently while extending their lifespan across demanding water treatment applications.

Chemicals we offer:

- Biocides
- Coagulants
- Post-Treatment
- Antiscalants
- CIP Cleaners
- Membrane Preservatives



Each chemical programme is supplied, guided, and supported by our team, serving hotels, hospitals, commercial developments, industrial facilities, and infrastructure projects across the UAE, GCC, MENA, and India.

Minerals for Bottled Drinking Water

Purified water sometimes needs a little more to be truly complete. Our minerals and additives restore essential balance lost during treatment, delivering water that's both pure and pleasant to drink.

Chemicals we offer:

- Magnesium Sulphate Heptahydrate
- Calcium Chloride Dihydrate
- Magnesium Chloride Hexahydrate
- Sodium Bicarbonate
- Potassium Bicarbonate



Each mineral serves a specific purpose — magnesium and calcium restore essential mineral content, while sodium and potassium bicarbonate stabilise alkalinity and pH. Together, they bring purified water back into balance, improving taste while meeting the mineral standards expected of quality packaged drinking water.

Wastewater Treatment Chemicals



Treating wastewater takes more than equipment alone. Our chemical range supports every stage of the process — coagulants and flocculants for solid-liquid separation, odour control for sewage and sludge systems, disinfectants for safe discharge, antifoaming agents for aeration tanks, bio-stabilisers for biological treatment, and pH correction for process control.

Together, they help facilities meet compliance standards while managing water responsibly and sustainably, backed by testing from our accredited laboratory.

Chemicals we offer:

- Coagulants / Polyacrylamide
- Flocculants
- Odour Control Chemicals
- Disinfection Chemicals
- Antifoaming Chemicals
- Bio-Stabilizers
- pH Correction Chemicals





Specialty Chemicals

Precision Solutions for Complex Challenges

Not every water challenge fits a standard solution. Some industries, processes, and environments demand chemistry engineered for their specific conditions, from oilfield water management to paper manufacturing and natural water bodies. For more than 36 years, Water Bird has specialized in meeting those demands with precision, where ordinary treatment falls short.

Complex water challenges rarely have off-the-shelf answers, so Water Bird builds solutions around the specific conditions of each industry, rather than adapting standard products to fit.



Our Core Chemical Solutions:

Paper Process Treatment Chemicals: Support retention, drainage, and process water quality across paper manufacturing operations.

Oilfield Chemicals: Manage produced water treatment, corrosion control, and process water quality in demanding field conditions.

Lake Treatment Chemicals: Control algae growth, odour, and water clarity in lakes, ponds, and water features.

Coagulants, Antifoams & Odour Control Chemicals: Support solid-liquid separation, foam control, and emission management across industrial and wastewater processes.



An oilfield operates differently from a paper mill, and a paper mill differently from a lake restoration project. Our team formulates for each condition individually, rather than applying a standard solution broadly.

When a challenge doesn't fit a standard mould, our team stays engaged to make sure the solution keeps working as conditions evolve.



Dosing Systems

Precision, Delivered Drop by Drop

Even the most effective chemistry depends on how it's delivered. Without precise, consistent dosing, treatment chemicals can under-perform or go to waste, leaving systems vulnerable to the very problems they were meant to prevent. For more than 36 years, Water Bird has specialized in engineering that precision, ensuring every drop of chemical reaches exactly where and when it's needed.

Precision is only useful if it holds up under real operating conditions, which is why Water Bird designs dosing systems built for accuracy that lasts, not just accuracy on paper.

Our Core Dosing Solutions:

Water Treatment Dosing Systems: Deliver controlled, accurate dosing across potable water, cooling, and process applications.

Chlorine, Antiscalant & Coagulant Dosing: Support disinfection, scale prevention, and solid-liquid separation through precise chemical application.

Desalination Post-Treatment, pH Correction & Remineralization Systems: Maintain water within safe, compliant ranges before distribution or discharge.



A pump delivers a precise amount of chemical into an RO plant or a swimming pool in a fraction of a second, a small mechanism our team engineers to keep the larger system in balance.

Beyond installation, our team continues to calibrate, support, and fine-tune every dosing system to match changing operational needs.

Water Treatment Dosing Systems

Chemical dosing is one of the smallest components in a water treatment system, and one of the easiest to get wrong. Too little, and disinfection or pH correction falls short. Too much, and the system wastes chemical or creates new problems downstream — corrosion, scaling, non-compliant water quality.

Our water treatment dosing systems remove that margin for error. Across potable water, swimming pools, cooling towers, chilled water, and hot water systems, each dosing package is engineered for the specific chemical, flow rate, and injection point it serves — delivering consistent application across the full range of demand, not just at design conditions. It's the quiet precision that keeps larger treatment processes performing reliably, day after day. A cooling tower stays protected from scale. A pool stays balanced and safe. A boiler stays free of oxygen-driven damage — none of it visible from the outside, all of it dependent on the dose landing exactly where it's needed.



We provide systems for the following applications:

- Potable Water
- Swimming Pool
- Cooling Tower
- Chilled Water
- Hot Water

Desalination Post-Treatment Systems

The reverse osmosis process that makes seawater or brackish water drinkable also strips it of the natural minerals and buffering capacity that stable, safe water needs. Left untreated, this water is aggressive: it can corrode distribution pipework, leach metals into the supply, and fall outside the pH and mineral-content ranges required for potable use.



Our post-treatment dosing systems address this directly. They reintroduce essential minerals through remineralisation, correct pH to the required range, and apply disinfection to stabilise the water before it enters the distribution network

Each system is sized and configured to the plant's specific output and water chemistry, so correction happens consistently rather than as a one-time adjustment.

This stage isn't optional finishing — it's what determines whether desalinated water meets municipal and industrial standards for safe, reliable use, and whether it protects the infrastructure it passes through on the way to the consumer.



Bottled Water Remineralization Systems

Purification can strip water of more than impurities. Reverse osmosis and desalination remove dissolved minerals along with contaminants, leaving water that's technically clean but chemically unstable — low in the calcium, magnesium, and alkalinity that give water its natural taste and buffering capacity.

Our remineralization systems restore what treatment removes. By dosing calibrated mineral solutions and correcting pH, they bring water back to a stable, balanced condition improving taste, protecting downstream pipework from corrosion, and meeting the mineral-content standards required for potable use.

The result is purified water that reaches consumers and industrial processes in a form that's both safe and satisfying, not just treated, but genuinely ready for use. Each system is calibrated to source water chemistry, so mineral balance stays consistent regardless of feed variation. It's the difference between water that's simply clean and water that's genuinely ready to drink.

Chlorine / Hydrazine / Fluoride Dosing Systems

Some treatment goals require exact chemical precision. Chlorine dosing supports disinfection by maintaining a controlled residual that neutralises pathogens without over-treating the water. Hydrazine dosing controls dissolved oxygen in boiler feedwater, preventing the oxygen-driven corrosion that shortens boiler life and compromises system reliability. Fluoride dosing, where required, supports controlled water conditioning within defined regulatory limits.

Each of these applications carries a different tolerance for error. Too little chlorine risks microbial contamination, too much hydrazine or fluoride creates its own compliance issue. Our dosing systems are calibrated to the specific chemical, flow rate, and application, delivering consistent accuracy across sensitive water treatment processes where protecting system integrity and meeting compliance standards both depend on getting the dose exactly right. It's precision applied where the stakes for getting it wrong are highest.



Polymer Preparation & Dosing Systems

Effective treatment often starts with proper preparation. Polymers used for flocculation and solid-liquid separation don't perform straight out of the container — they need to be mixed at the correct concentration, given adequate aging time to fully hydrate, and diluted accurately before dosing. Skipping or rushing this step is one of the most common causes of poor flocculation performance in water and wastewater treatment.



Our polymer preparation and dosing systems automate this process from mixing through to final application, maintaining consistent concentration and timing regardless of demand fluctuations. This supports efficient solid-liquid separation across treatment stages, improving clarity, reducing chemical waste from over- or under-dosing, and helping downstream processes perform reliably batch after batch.

Antiscalant Dosing Systems

Scale builds quietly until it becomes a costly problem. Left untreated, mineral deposits accumulate on membranes, heat exchangers, and pipelines, reducing efficiency and shortening equipment life. Our antiscalant dosing systems prevent that buildup in RO and cooling systems through controlled, consistent chemical application matched to feed water chemistry.



The result is protected membranes, reduced maintenance frequency, and equipment that continues performing at its designed efficiency for longer.

Coagulant Dosing Systems

Clarity begins with the right chemistry. Suspended solids and colloidal particles resist settling on their own, and without proper coagulation, downstream filtration works harder and performs less consistently.



Our coagulant dosing systems support efficient particle destabilisation and removal in water and wastewater treatment processes, controlled to match influent conditions. This helps downstream filtration and separation stages operate more effectively, improving overall treatment consistency and output water quality.

pH Correction Systems



Water chemistry depends on maintaining the right pH, and even small deviations can undermine an otherwise well-designed treatment process. Low pH accelerates corrosion in pipework, tanks, and equipment, shortening service life and introducing metals into the water. High pH reduces disinfection efficiency and encourages scale formation, both of which compound over time. Neither condition is always visible until the damage or non-compliance has already occurred.

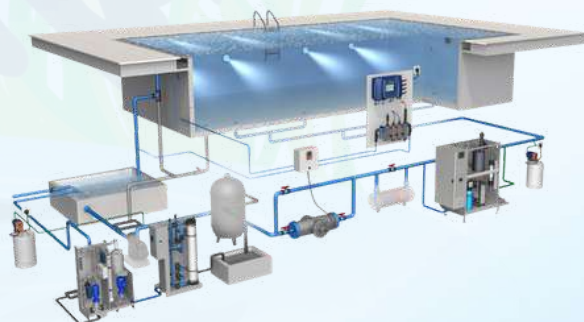
Our pH correction systems apply acid or alkali dosing based on continuous monitoring, keeping water within the target range regardless of fluctuations in incoming water quality, temperature, or process demand. This is particularly critical ahead of disinfection, membrane treatment, and discharge stages, where pH outside specification can compromise the entire process that follows. Consistent, automated correction means the system responds to real conditions in real time, rather than periodic manual adjustment — protecting both regulatory compliance and long-term equipment reliability.

Swimming Pool / Automatic Control Systems

Pool water quality changes constantly — bather load, temperature, sunlight, and rainfall all affect chlorine demand and pH balance throughout the day, often faster than manual testing schedules can keep up with. Inconsistent dosing leaves pools either under-disinfected, creating a genuine health risk, or over-treated, causing skin and eye irritation along with unnecessary chemical waste.

Our automatic control systems continuously monitor chlorine and pH levels, adjusting dosing in real time to keep water within safe, comfortable parameters without relying on manual intervention or fixed dosing schedules.

This ensures consistent water quality regardless of how usage patterns shift across the day or season, reduces chemical consumption compared to manual dosing, and gives facility operators reliable, hands-off control over one of the most safety-sensitive water applications they manage where the margin for error is small and the consequences of getting it wrong are immediate.



Dosing Pumps

Water Bird supplies precision dosing pumps engineered for accurate, consistent chemical injection across a wide range of water and wastewater treatment applications. Available in various capacities and configurations, our pumps are carefully selected to match flow rate, chemical type and specific system requirements, ensuring dependable performance under continuous-duty operating conditions. Built for durability and long-term reliability, they minimize the risk of

overdosing or underdosing, supporting stable treatment outcomes and protecting downstream equipment from damage.

With engineering expertise since 1990, Water Bird's dosing pumps remain a trusted, application-matched solution for facilities that depend on precise, consistent chemical control.



Chemical Dosing Tanks

Every dosing system depends on a dependable storage and preparation vessel, and that role is filled by our chemical dosing tanks. Constructed to safely hold and prepare chemicals such as coagulants, polymers, disinfectants and pH-correction agents, tanks are selected based on chemical compatibility, application volume and site conditions. Built for durability and safe handling, they form the foundation of a well-engineered dosing setup, feeding pumps consistently and supporting stable treatment performance.

As part of Water Bird's integrated approach, our tanks work alongside stirrers and dosing pumps to deliver a complete, reliable chemical preparation and injection system, backed by decades of applied expertise



Electric Stirrers

Consistent chemical performance starts before dosing begins, with proper mixing. Our electric stirrers agitate and homogenize chemical solutions, such as polymers and coagulants, ensuring uniform concentration before injection into the system. Poor mixing leads to uneven dosing and unnecessary chemical wastage, which is why stirrers are matched to tank volume, chemical viscosity and application requirements.



Built for durability and steady performance, they integrate seamlessly with our tanks and pumps, forming a complete, dependable preparation system for accurate treatment outcomes.



Pumps & Pumping Solution

The Quiet Force Behind Every System

Water rarely moves on its own. Behind every reliable water system is the force required to collect it, distribute it, and deliver it exactly where it's needed, without interruption. For more than 36 years, Water Bird has specialized in providing that force, engineering pumping solutions that keep operations flowing reliably.

Moving water reliably takes more than powerful equipment. It takes the right pump, correctly sized and installed for the job, and that's where Water Bird's engineering experience makes the difference.

Our Core Pumping Solutions:

Water Collection & Transportation Pumps: Include submersible pumps, vertical turbine systems, and seawater intake pumping solutions that move water reliably from its source.

Water Distribution & Plumbing Pump Sets: Cover booster sets, circulation pumps, and transfer systems that deliver water precisely within a facility.

Large-Scale Water Delivery Solutions: Support treated water distribution and irrigation with variable speed control for infrastructure-scale reliability.

CIP Pump Solutions: Provide dependable pump sets for clean-in-place processes across water treatment and industrial applications.



Beneath an irrigation field or inside a utility station, a pump does the steady, unglamorous work of keeping water moving as designed, built and supported by our team long after installation.

Our support continues well after commissioning, keeping pumping systems running efficiently through years of demanding operation.

Water Collection & Transportation Pumping Solutions



Every water system starts with getting water from where it is to where it needs to go. Our collection and transportation pumping solutions handle that first, critical step, moving water reliably from wells, seawater intakes, and sewage networks into the treatment process.

Whether the source is a groundwater well, a coastal intake, or a sewage lifting station, each application brings its own demands — corrosion resistance for seawater, reliable priming for variable water levels, and continuous operation for networks that can't afford downtime. Getting this stage right sets the foundation for everything that follows, because a treatment process is only as consistent as the water supply feeding it.



Pumps and Systems we offer:

- Submersible Pump Packaged Solutions
- Vertical Turbine Pumps & Systems
- Self-Priming Vertical Inline Pumping Systems
- Seawater Intake Pumping Systems
- Sewage Water & Stormwater Lifting Stations

Water Distribution & Plumbing Pump Set Solutions

Once treated, water still needs to reach every tap, fixture, and floor. Our distribution and plumbing pump sets deliver consistent pressure and flow throughout a facility, supporting everything from daily domestic use to critical building operations.

From high-rise towers to sprawling ground-level facilities, pressure requirements change with height, distance, and demand fluctuation throughout the day.



Our systems are configured to maintain steady output whether a single tap opens or an entire floor draws water at once, so consistency at the point of use is never left to chance.



Pumps and Systems we offer:

- Plumbing Pump Skids Systems
- Circulation Pump Sets
- Booster Pump Sets
- Constant Pressure Booster Sets
- Transfer Pump Sets
- Sump Pump
- Sewage Water Transfer Systems
- Circulation Pump Sets

Large-Scale Water Delivery & Distribution Solutions

Some water systems operate at a scale where reliability isn't optional. Our large-scale delivery solutions support treated water distribution and irrigation networks with precise variable speed control, ensuring consistent performance across infrastructure and utility-level projects.



Pumps and Systems we offer:

- Variable Speed Control for Treated Water Distribution
- Irrigation Pump Skids



Both systems are engineered for infrastructure-level demand, where a pressure drop or flow interruption affects far more than a single building. Variable speed control adjusts output in real time to match actual demand, reducing energy use while maintaining pressure across the network. Irrigation pump skids deliver the same reliability for large-scale agricultural and landscape applications, keeping performance steady across utility and municipal-scale projects.

CIP Clean-in-Place Pump Solutions



Hygiene and process efficiency often depend on what happens between production cycles. Our CIP pump solutions support clean-in-place processes across water treatment, industrial, and process applications, keeping systems sanitized and operations running without unnecessary downtime.

Pumps and Systems we offer:

- CIP Pump Sets for Water Treatment, Industrial and Process Applications

Hygiene and process efficiency often depend on what happens between production cycles. Our CIP pump solutions support clean-in-place processes across water treatment, industrial, and process applications, keeping systems sanitized and operations running without unnecessary downtime.



Laboratory

Water Bird Chemical & Biological Laboratory (WBCBL) is one of the well renowned independent water testing laboratory in the region. We are providing quality services since 2012. WBCBL holds Accreditation to ISO/IESC 17025 by EIAC (Previous DAC) with certificate number LB-TEST-088 in both analytical chemistry and microbiology. More over the laboratory is registered with Emirates Authority for Standardization & Metrology Abu Dhabi with certificate number R-T-19-00224.



WBCBL offers an expert quality testing for all type of water samples. WBCBL tests are incorporated with latest auto analytical / instrument technique to provide precise and accurate results to our vide customers. All of the chemical and microbiological analyses are performing as per any of the internationally accepted protocols such as WHO, BS, APHA, ISO, EPA, GSO and all other local order from regulatory bodies -Dubai Municipality, Abu Dhabi Municipality etc.



WBCBL could provide testing for almost all of the hazardous micro organisms including Legionella Species. Also clients can avail the industrial wastewater testing for the purpose of waste water disposal service through Dubai Municipality. We are here by providing the list of accredited services which you can avail from our Laboratory.



Accredited Scope

Parameters			
Alkalinity	Chlorine Free / Residual	Nitrite, Nitrite Nitrogen & Nitrite as Sodium Nitrite	Surfactants - Anionic
Ammonia, Ammonium, Ammonia-Nitrogen	Chromium Hexavalent	Nitrogen Organic (TKN)	TDS
Appearance	COD	Nitrogen Total	Temperature
Benzotriazole	Colour	Oil & Grease Total & Free	Total Hardness
Bicarbonate (HCO ₃)	Cyanide-Free & Total	pH	Total Solids @ 105°C
Bicarbonate Alkalinity	Cyanuric Acid	Phenol	TSS
BOD	Dissolved Oxygen	Phosphate- Ortho, Dissolved, Total	Turbidity
Bromine	Electrical Conductivity	Phosphonate	Heterotrophic Plate Count
Calcium & Calcium Hardness	Fluoride	Salinity	Total Coliforms
Carbon Dioxide – Free & Total	Iron-Dissolved, & Total	Saturation Index	E-Coli
Carbonate & Non Carbonate Hardness	Magnesium & Magnesium Hardness	Silica & Silicon	Pseudomonas Aeruginosa
Chloride	Molybdate & Molybdenum	Sulphate	Fecal Streptococci
Chloride as NaCl	Monochloramine	Sulphide & Hydrogen Sulphide	Fecal Coliforms
Chlorine Dioxide	Nitrate & Nitrate Nitrogen	Sulphite	Legionella
Metals – Ag, As, Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Se, Zn, Sb, B, In, Li, Mo, Si, Sr, Tl, Sn, Ti, V	Wastewater Sample Collection		Microbiology Sample collection
	Other Water sample collection		Legionella Sample Collection

OUR VISION:

To be the leading service provider of fast and reliable Water Testing Services with an unmatched professionalism, quality and innovation. Combine our technical excellence with the superior understanding of our clients & forge ahead with our approach, balance & credibility.

Customers:

Hotels
Facility Management Companies
Schools & Colleges
Gov. Health Centers & Medical Fitness Centers
Hospitals & Clinics
Water Treatment Companies
Water Tank Cleaning Companies
Leisure Parks
Commercial & Residential Buildings
Pool Maintenance companies (public & Private)
Mineral Water Bottling Companies

Area of Specialization

Potable Water
Wastewater / Irrigation Water
Swimming Pool Water
Cooling Tower / Chiller / Boiler Water
RO Water Testing (Feed / Product / Reject)
Hospitals / Clinics / Dental / Dialysis Water Testing
Industrial Process Water
Marine Wastewater
Borewell / Groundwater Testing
Legionella Testing (HVAC & Cooling Systems)
Drinking Water Storage Tank Testing



Water Treatment Services

Reliability Doesn't End at Installation

A water treatment system is only as good as the support behind it. Long after commissioning, systems need monitoring, maintenance, and expert attention to keep performing the way they were designed to. For more than 36 years, Water Bird has specialized in that ongoing chapter, standing beside every system we deliver, not just at handover, but for the years that follow. Systems don't maintain themselves, and that gap is exactly where Water Bird's service teams step in, keeping performance steady long after handover.

After a system is installed, the work isn't finished. Our service teams stay involved, keeping systems running reliably in hotels, hospitals, and industrial facilities long after handover.

This is the division where our long-term commitment is most visible, showing up for facilities not just once, but continuously.



AMC Services

AMC services help keep water treatment and wastewater treatment systems operating reliably through planned inspection, preventive maintenance, servicing and technical support. Service activities are structured based on system requirements, site conditions and performance objectives.

Our strategy for achieving best results:

- Routine site visits
- Equipment inspection
- Cleaning & calibration
- Troubleshooting
- Performance checking
- Chemical dosing review
- Consumable replacement
- Service reporting

For facilities that depend on continuous water treatment, whether a hotel, hospital, or industrial plant, an AMC isn't an added expense. It's the quiet insurance that keeps systems running the way they were designed to, year after year.

Operation & Maintenance Services

O&M services support the day-to-day performance of water treatment and wastewater treatment systems, covering regular monitoring, operator attention, chemical treatment, process control, preventive maintenance and performance reporting.



Our O&M scope typically covers:

- Daily plant operation and monitoring
- Process optimization for efficiency
- Chemical dosing management
- Equipment troubleshooting and repair
- Compliance reporting and documentation

HVAC Flushing Services

Over time, chilled and hot water pipelines accumulate sediment and scale, quietly reducing flow and driving up energy costs. Our HVAC Flushing Services clear that buildup at the source, restoring flow, improving heat transfer efficiency, and protecting equipment from long-term wear and premature failure.



Our flushing services include:

- Chilled water pipeline flushing
- Hot water pipeline flushing
- Flushing circulation pump rental
- Side stream filter rental during flushing

Water Tank Cleaning & Disinfection Services

A tank can look clean outside and still carry sediment or biofilm within. Our Water Tank Cleaning & Disinfection Services address that hidden risk directly, restoring water quality and hygiene from the point of storage onward.



Our tank services typically include:

- Tank inspection
- Condition assessment
- Sediment removal
- Final rinsing
- Interior cleaning and scrubbing
- Disinfection
- Draining support
- Service reporting

Engineering Consultancy Services

Not every water challenge starts with a clear answer, sometimes it begins with a question. Our Engineering Consultancy Services bring decades of hands-on experience to system design, upgrades, and troubleshooting, helping facilities decide with confidence.



Our consultancy support covers:

- System review
- Upgrade planning
- Troubleshooting
- Root-cause analysis
- Water analysis review
- Capacity assessment
- Equipment selection
- Technical documentation

Whatever stage the challenge is at, we work from evidence rather than assumption — testing, reviewing, and assessing before recommending a path forward, so decisions are grounded in the specific conditions of your facility.



Testing & Analytical Services

Every treatment decision starts with knowing what's actually in the water. Backed by a Dubai Municipality accredited laboratory, our Testing & Analytical Services provide reliable analysis that supports informed decisions and ongoing compliance.

Our testing services cover:

- Water analysis
- Microbiological testing
- Compliance and regulatory testing
- Sample collection services
- Testing reagents and lab equipment supply

From a single water sample to ongoing compliance monitoring, our laboratory gives facilities the clarity needed to treat water correctly, not by assumption, but by evidence.





Water Bird

"Engineering Water Since 1990"

View Our Capabilities



From testing and design to installation, chemistry, and long-term support, Water Bird brings every part of the water treatment journey together under one accountable team.

- Engineering Excellence Since 1990
- 10,000+ Projects Delivered

- 250+ Specialists & Professionals
- 7 Specialist Divisions

ISO Certified

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

Dubai Municipality Accredited Laboratory

ISO / IEC 17025:2017

Industries We Serve

Municipal & Utilities | Power Plants | Oil & Gas |
Public | Food & Beverage | Hospitality | Healthcare |
Manufacturing | Facilities Management | Real Estate |
Water Features | Infrastructure | Industries

Countries We Served

UAE | Oman | GCC | MENA | India |
International Markets

Our Divisions

- Water Treatment Plant
- Wastewater Treatment Plant
- Water Treatment Chemicals
- Specialty Chemicals
- Automatic Dosing Systems
- Pumps & Pumping Solution
- Water Treatment Services

Technology Partners

- Prominent
- Grundfos
- DuPont
- Pentair
- Kurita / Avista
- Lovibond
- CodeLine
- Clack
- BEL
- LG

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