Global Water

CORPORATE PROFILE

WHO WE ARE

Global Water is your dedicated partner in water system solutions, committed to innovation and excellence in everything we do. Our expertise spans all sectors, from residential to commercial and municipal projects.

We pride ourselves on our collaborative approach, working closely with all stakeholders to fully understand the client's needs and deliver quality solutions tailored to each project.

Drawing on over 45 years of expertise and creative problem-solving, we exceed expectations, ensuring lasting success for our clients.

BESPOKE DESIGN

At Global Water, our approach is all about tailoring solutions to the unique requirements of each project.

Meticulous attention to detail and a thorough understanding of the application result in custom designs perfectly suited to your requirements.

Whether it's a wastewater treatment system or a stormwater pump station, our solutions are crafted to achieve the greatest efficiency and the lowest operational cost over the life of the system.

HOW WE HELP YOU

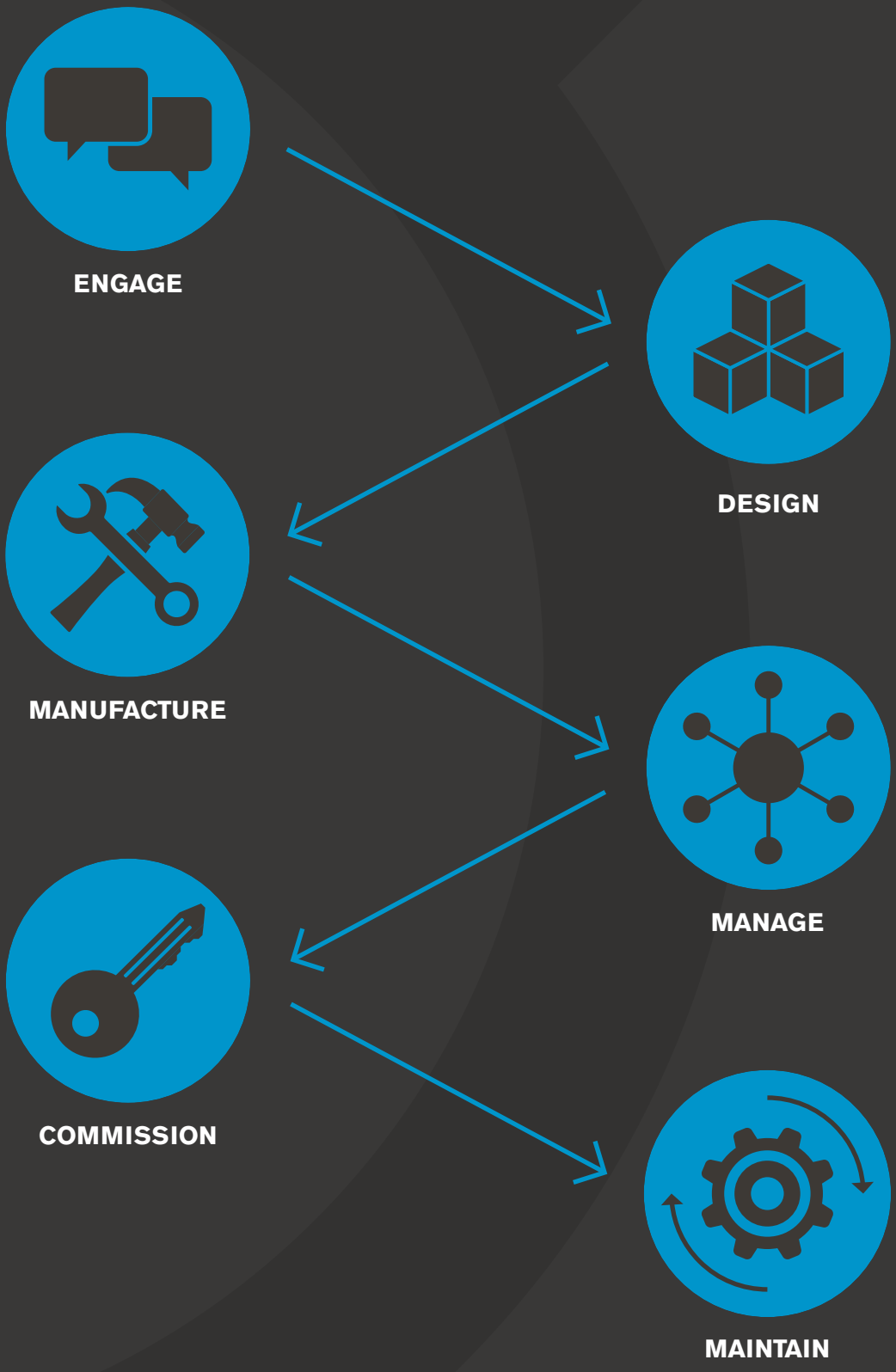
From concept to execution, we're your trusted guides throughout the project journey.

Our services encompass everything from designing wastewater and stormwater systems to delivering and commissioning them.

Our end-to-end delivery model guarantees seamless execution at every stage, from design and engineering to procurement and manufacturing.

By collaborating closely with you, we ensure your expectations are not just met, but exceeded at every turn.

Additionally, our commitment to post-installation support means we're here for you even after the project is completed, offering services such as system optimisation, technical training, and ongoing product support.


ENGAGE
DESIGN
MANUFACTURE
MANAGE
COMMISSION
MAINTAIN

IN-HOUSE SPECIALISTS

Our team of in-house engineers has a thorough understanding of all aspects of water collection, pumping, and treatment, providing cutting-edge product innovation and efficient project management to ensure the ultimate solution.

With specialists dedicated to wastewater, stormwater, potable water, fire systems, industrial processes, trade waste, and mineral processing, Global Water is well-positioned to assist as your design and delivery partner for all things water.

Our services include engineering, technical advice, drafting, project management, site commissioning, and ongoing maintenance. By partnering with municipalities, consulting engineers, civil contractors, and residential and commercial plumbers, we leverage our collective expertise to deliver outstanding results.

LOCAL SUPPORT

Our commitment to your project doesn't end with installation – it's just the beginning.

Whether it's optimising system performance, providing technical training, or offering preventative maintenance, we're dedicated to ensuring the long-term success of your water system.

By partnering our fabrication workshop and repair facility with our large warehouse of pumps and spare parts, our team of experts is committed to responding to your on-site challenges as they arise.

With our robust local support network at your fingertips, we are here to provide ongoing assistance whenever you need it.

PUMP STATIONS
CONCRETE

ENVIROLIFT™ CONCRETE PUMP STATIONS

EnviroLift Concrete Pump Stations are high-strength precast concrete units offering the highest levels of engineered quality, reliability, and safety. The Global Water EnviroLift precast concrete packaged pumping stations have been developed for use in residential subdivisions, commercial and industrial developments, and common effluent schemes where larger storage volumes or high flow rates are required.

Boasting reduced installation costs, the one-piece base, sludge batter, and patented integral valve chamber are all hallmarks of design innovation and ingenuity. The EnviroLift concrete pump stations offer the smallest footprint, making them the preferred choice by clients across the nation.

THE ENVIROLIFT ADVANTAGE

Integral valve chamber
Global Water's patented Integral Valve Chamber design allows you to support medium and large-sized valves, which is particularly useful once you get past 80 mm diameter valves. The integral valve chamber allows for the separation of the valve assembly from the pump well, protecting personnel from exposure to noxious gases. It also provides easy access to valves while offering ultimate fall safety protection, as the user is not exposed to the full depth of the well. Since the integral valve chamber is cast as a single piece on top of the pump well, it ensures a small overall footprint and protects against differential settlement between separate units.

Modular design
Our EnviroLift pump stations have a modular, pre-engineered design that allows up to 15 m of internal depth, with up to three diameters available – 1.8 m, 2.25 m, and 3.2 m wide. Along with the integral valve chamber, we offer a range of other customisable valve arrangements, such as separate valve chambers, above-ground valve assemblies, and wall-mounted valves directly in the pump well. The precast concrete is pre-engineered to a Class D load rating without additional support, and the tongue-in-groove jointing system with locating key assists with alignment during installation.

One-piece base
The one-piece base and sludge batter design provides watertight construction between the vertical walls and the horizontal base slab. The internal sludge batter is designed to encourage sludge movement towards the pump asset, preventing build-up in the pump well corners.

Anti-buoyancy protection
The external toe around the base assists with anti-buoyancy protection in cases of high groundwater. Once the base unit is placed into the excavation, backfilled, and compacted, the precast toe will apply counter-pressure to the buoyancy forces acting on the chamber.

100-year design life
A 100-year design life is made possible by the use of a 50 mPa sulphide-resistant mix with calcareous aggregate. This makes the EnviroLift chamber suitable for sewer applications as standard (no concrete additive, epoxy, or liners required for sewer applications, which may be required for some GB concrete designs). They comply to WSAA standards AS3735 and AS3500 and have been endorsed by many municipal authorities for use in their sewer and stormwater networks. Additionally, internal coatings, concrete additives, and polyethylene linings are available as options if required.

Optional extras include knife gate valves, tank level monitoring, custom penetrations, and a variety of different covers and fall protection systems.

Global Water is able to provide on-site commissioning of the pump station after installation is completed. Full after-sales backup is provided, with a preventative maintenance program available on request.

PUMP STATIONS
CONCRETE

DRAINACE™ CONCRETE

The DrainAce Concrete Pump Stations are Global Water's budget range of concrete pump stations. They are mould-formed and intensely vibrated using fibre-reinforced concrete and high early-strength cement for stormwater applications. For sewer and effluent applications, they are manufactured using calcareous aggregate, fully compliant with AS/NZS 1546.1:2008 and are Department of Health approved.

DrainAce concrete chambers can also be used as detention overflow chambers and blind dump pits or can be installed above ground for rainwater storage or water supply tanks.

Available in capacities ranging from 5,400 to 22,600 litres, each single-piece chamber is fully engineered for installation either above or below ground, with up to 1.75 metres burial depth. Covers come in either Class B or Class D load ratings. Each station utilises the 'Swift-Lift' system with certified lifting points in both the chamber and cover slab, allowing for efficient and safer onsite installation.

Single or dual submersible pumps are free-standing and mounted on flexible hoses, allowing for easy removal of pumps for maintenance. The chambers are suitable for up to 80 mm valves, which can be mounted internally, negating the need for an external valve chamber.

PUMP STATIONS
POLYETHYLENE

DRAINACE™ POLY

The DrainAce Polyethylene Pump Stations are designed as heavy-duty, lightweight prefabricated pump stations. By combining a heavy-duty polyethylene chamber with a wide range of pump and control options, these pump stations provide a compact, economical, and easy-to-install solution for sewer, effluent, and stormwater applications.

The DrainAce pumping chambers can also be used as neutralisation and buffer/dilution chambers in trade waste treatment systems and for stormwater detention and settling pits.

Polyethylene is a durable, lightweight material known for its excellent chemical resistance and exceptional strength. Holes can be easily cut on-site for inlet, vent, and conduit penetrations.

A range of cover options is available, including light-duty hinged aluminium covers, galvanised grates, and cast iron covers in Class B or Class D load ratings.

A complete range of automatic and manual pumps is available to suit any application, and they can be configured in single or twin pump arrangements.

PUMP STATIONS
SUMP PUMP

DRAINACE™ SUMP PUMP

The DrainAce Sump Pump Station handles flow rates up to 3 L/s and comes in precast glass-reinforced concrete (GRC) or polyethylene. With capacities up to 325 L, it's suitable for residential and light commercial use, including sullage, septic effluent, stormwater, and industrial waste.

The polyethylene option, available in 600 mm and 900 mm depths, is robust and cost-effective, ideal for stormwater collection. GRC offers superior toughness and rigidity, making it a lightweight, cost-saving alternative that reduces the need for heavy lifting equipment.

Each package includes pre-plumbed internal pipework, a check valve, and an isolation valve. Lid options range from light service aluminium to cast iron, with silt baskets available to protect pumps. Drainage and vortex-style pumps can handle grey water up to 40 °C and soft solids up to 40 mm, with larger units for special applications.

SUBMERSIBLE PUMPS
STORMWATER

SUBMERSIBLE SUMP PUMPS - GPD & GPV

The Global Water Submersible Sump Pump range offers reliable pumping for various stormwater applications in commercial, building services, and industrial environments. Single-phase units have float switches for automatic operation and built-in overload protection.

Our drainage pump range, with all-stainless steel construction, features a semi-open impeller suitable for greywater or stormwater applications, passing 10 mm solids.

Our stocked range of vortex submersible pumps, made of cast iron and stainless steel, includes heavy-duty pumps with either single or three-phase motors. They feature vortex or double-channel impellers to handle suspended solids up to 100 mm in diameter. Global Water also has extensive experience in providing design advice for larger bore submersible pumps for higher flow stormwater applications, such as industrial lots and council stormwater schemes.

Hazardous area pumps rated for Class 1 Zone 2 are also available for intrinsically safe, spark-resistant solutions and are the preferred choice for residential garages, undercover carparks, and warehousing applications.

SUBMERSIBLE PUMPS
WASTEWATER

DOMESTIC AND COMMERCIAL PUMPS

Global Water GP Series submersible sewage pumps offer reliable solutions for domestic and commercial applications. Constructed from cast iron for durability, they are available in single-phase and three-phase versions. With cutter and grinder mechanisms available, these macerating pumps are designed to process soft solids in a range of applications including residential dwellings, high-rise buildings, mining camps, and industrial developments.

Our Global Water range features the Sulzer Piranha series, but we also have access to an extensive variety of other quality brands. They can be supplied in free-standing configurations for use with flexible hose installations or auto-coupling pedestal-mounted with guide rails for HDPE pipe assemblies. Complete packaged pumping stations, including control panels, are available in single or twin pump configurations.

MUNICIPAL

Global Water understands the requirements in large municipal applications and offers an extensive range of wastewater pumps to meet the growing demands of the larger flow wastewater sectors.

Global Water's municipal range of submersible sewage pumps features advanced, premium-efficiency IE3 motors, which significantly reduce pump running costs. The advanced, non-clogging, and hydraulically efficient single-vane open impellers provide proven rag handling, and the large solids-free passage ensures anti-blocking operation.

Where municipal authorities require special coatings on their pumps, Global Water has expertise in sourcing applications such as Belzona coating. We hold the agency for the MetaLine range of spray-on elastomeric coatings, which are abrasion-resistant and offer anti-corrosive properties.

Global Water is also the exclusive ABS Sulzer agent for wastewater applications in South Australia and the Northern Territory. The Sulzer XFP pumps are approved by SA Water for use in large-scale residential subdivisions and infrastructure projects. The XFP range features a fast and easy wear plate tolerance adjustment system that negates the need to dismantle the pump, as well as a cable plug system that allows the pumps to be easily removed without disconnecting the wiring. We understand that many water authorities have brand preferences in their wastewater range, so Global Water works with a range of other industry-leading pump brands to source the ideal solution for every application.

PUMP SYSTEMS

E-BOOST™ PRESSURE BOOSTER SYSTEMS

The Global Water e-Boost range comprises potable water transfer systems designed to pressurise clean water in commercial and industrial projects. These systems often include vertical multi-stage pumps paired with VFDs (variable frequency drives) to respond to fluctuating demands. Cascade control logic ensures pump running hours are evenly distributed. Controllers monitor demand and adjust pump speed and the number of duty pumps to maintain constant pressure.

At Global Water, we use various brands and pump types to provide the most technically robust and commercially advantageous system. Our access to a range of brands and in-house expertise allows for a versatile approach to meet project outcomes.

In-built system monitoring, including a feedback loop, ensures reliability and support. These systems can operate with constant flow when paired with a digital flow meter. Standard features include mechanical seal protection, thermal overloads, no-flow alarms, pipe burst alarms, and power protection.

The e-Boost systems can include up to eight pumps in parallel, with optional jacking pumps. With flows up to 30 L/s and pressures up to 2900 kPa, these systems suit applications from toilet flushing to large industrial projects. Larger flows and pressures can be achieved with end-suction centrifugal pumps.

Applications include domestic cold water booster pump sets for apartment buildings, hotels, high-rises, industrial complexes, mining camps, and municipal potable water supply. The addition of filtration and rain/mains changeover systems supports rainwater reuse applications.

FILTRATION SYSTEMS

Global Water offers a range of custom filtration systems that can be partnered with our e-Boost Pressure Booster range. These systems integrate advanced filtration technology, including cartridge filters, UV filters, and automatic backwash filters, to ensure potable water quality for water supply and reuse. Typical applications include pressure boosting, HVAC systems, irrigation, and potable water treatment.

e-Boost Filtration Systems utilise a range of filters and valves to address various contaminants and water sources.

Cartridge filters
Effectively trap sediment, particles, and impurities, providing excellent filtration for residential and commercial applications.

UV filters
Use ultraviolet light to disinfect water by neutralising bacteria, viruses, and other microorganisms, ensuring safe and potable water for consumption.

Backwash filters
Employ a backwashing process to remove accumulated debris and contaminants, maintaining optimal filter performance and longevity.

RPZ valves (reduced pressure zone valves)
Prevent backflow and contamination of potable water in the mains by creating a barrier between the municipal water supply and the customer control network. This is essential for any private water supply network connected to a municipal water authority supply, including safety in irrigation, plumbing, and industrial systems.

We can provide skid-mounted options for efficient and convenient installation. Our team will work with you to meet your specific filtration requirements and provide the ultimate solution for your application.

PUMP SYSTEMS

GROUNDWATER EXTRACTION

Global Water offers a unique turnkey system approach that integrates civil, mechanical, and electrical disciplines on groundwater extraction projects, providing maximum value to clients. We have experience in engineering multiple bore pump water supply systems, transfer pumping, and panel tank storage systems, with optional solar-powered controls for municipal applications.

Global Water has a long history of partnering with the mining sector, completing automated dewatering bore fields, standpipe tanker refilling systems, and potable water transfer systems. We work with private and government clients on water reuse projects that require the supply and installation of borehole pumps and integrated water treatment systems for groundwater injection into deep aquifers and underground streams.

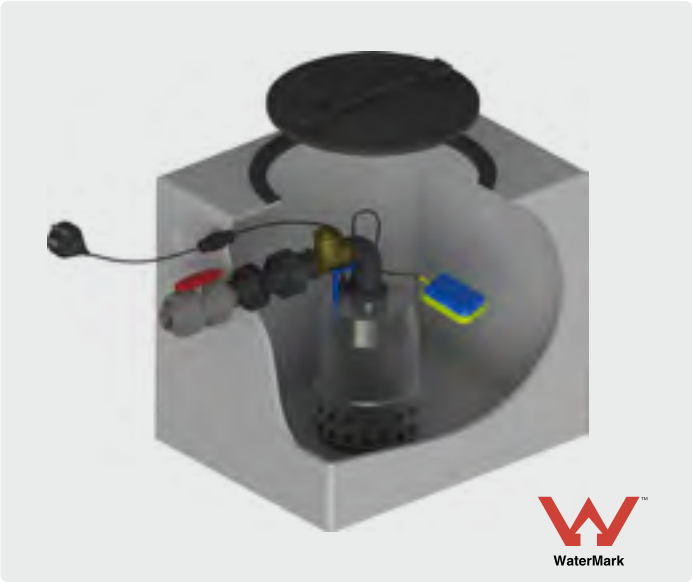
The Global Water engineering team will provide a tailored solution to meet your site specifications and installation requirements for your next groundwater extraction or injection project.

SURFACE WATER EXTRACTION

Global Water can provide floating or land-based surface water extraction for water supply, mine dewatering, effluent pond discharge, and fire fighting applications. Surface water pump systems are selected to handle a variety of specified liquids and can be configured with either electric motor or diesel engine drives. We have experience with floating pontoon systems, skid or trailer-mounted pumping systems, and wet or dry well pump stations.

We will collaborate with you to design and provide a purpose-built surface water extraction system, tailored to your river and lake raw water extraction and pipeline pumping needs. We offer in-house manufacturing to limit assembly onsite and facilitate testing in a controlled environment. Our site team has experience working in remote locations to manage installation and commissioning once the system is delivered to site.

WASTEWATER TREATMENT



GREASE MUNCHER™

The GM700 Grease Muncher is a tradewaste arrestor that is water authority-approved for 1000 L/hr discharge for space-saving applications. It is designed to remove hydrocarbons such as grease and cooking fats from tradewaste systems before discharge into sewer networks. Its compact design features a small spatial footprint for above-ground applications, and its UV-stabilised polyethylene tank allows for outdoor installation. The GM700 is also suitable for below-ground installations.

By combining conventional underflow grease arrestor design with a unique biofilter, these low-maintenance units save costs and dramatically reduce grease and oil content in the wastewater discharge through microbiological processes. The Grease Muncher has been used extensively across Australia and is an excellent low-cost option for restaurants, cafes, and other light-commercial catering venues.

DRAINACE™ COMPACT

The DrainAce Compact pump station was developed to handle sink waste in situations where gravity discharge is not feasible. Featuring a stainless steel drainage pump, these WaterMark-approved units are ideal for restaurants, basements of high-rise buildings, laboratories, medical facilities, construction sites, and portable building facilities. Units are often used for discharge to grease arrestors and can handle liquid temperatures up to 50 °C continuously, or up to 80 °C intermittently, from dishwashers and glass washing machines.

OIL MUNCHER™ OIL SEPARATORS

The Global Water Oil Muncher coalescing plate oil separators are designed to remove oils and solids from trade waste and washdown. These gravity separators use the specific gravity difference between immiscible liquid components to separate oils and solids. Constructed with lightweight, chemical-resistant polyethylene, they feature a non-emulsifying diaphragm pump for enhanced efficiency.

Oily water is pumped from a below-ground tank into the separator chamber, where heavy solids settle and oils rise. The untreated mixture flows through coalescing plates, grouping smaller oil droplets into larger masses for flotation and separation. Denser solids are trapped in the sludge hopper, and clean water is discharged. An oil dam baffle prevents oil from entering the discharge outlet, while drains and skimmers aid oil removal.

These separators can be paired with a pump controller for monitoring, a settling tank for increased sediment removal, and a gross pollutant trap for debris protection. Ideal applications include washdown bays, car/truck washes, and workshops.

The GDP diaphragm pumps are integral to the Oil Muncher, with a belt-driven, heavy-duty gearbox that uses an eccentric block for diaphragm actuation. Self-priming and capable of running dry, these pumps handle abrasive liquids and pass solids up to 80% of the port size, minimizing clogging. Standard with TEFC motors, they can be fitted with intrinsically safe motors and EX-rated floats. Made from aluminium and Buna-N, they are durable and chemically resistant, making them ideal for industrial waste management and enhancing oil and solids separation.

TORO TSP SELF-PRIMING EFFLUENT PUMP

The TORO TSP self-priming sump pumps are rugged, solids-handling pumps designed for demanding industrial and municipal applications where trouble-free operation and long life are required.

Featuring quick-release clean-out ports, a replaceable wear plate with adjustable impeller clearance, back pull-out design, and oil-lubricated tungsten mechanical seals, the TORO TSP range is available in cast iron, 316 stainless steel, duplex, or super-duplex construction, with NBR (standard) or Viton rubber components.

Units can be supplied as direct-coupled or belt-driven by electric motors or stationary engines, and can be skid or trailer-mounted.

WASTEWATER TREATMENT

MUFFIN MONSTER™

As the local agents for Sulzer in South Australia and the Northern Territory, Global Water offers the full range of JWC Muffin Monster inline and open channel macerators. These devices tackle sewer and pump blockages by shredding large, rugged debris, wipes, and rags into small particles, helping to protect pumps and other downstream assets from clogs and damage caused by tough solids.

The patented Wipes Ready™ cutters prevent long strips and reweaving. The Delta P side rails enhance solid processing while maintaining flow, reducing operating costs by keeping equipment running efficiently. Maintenance is straightforward with easy-to-remove cutter cartridges.

Available in three series with a range of motor sizes, these macerators can be installed in open channels, pump station inlets, or inline mounted in pipelines. These high-torque, dual-shafted macerators are ideal for sewage pump stations, primary treatment headworks, and sludge processing.

CHANNEL MONSTER™

The Sulzer JWC Channel Monster open channel grinders, also available at Global Water, excel in pump stations and headworks with specialised technology for wastewater solids reduction. Using patented rotating screening drums, they capture and direct solids into a dual-shafted grinder, handling a range of materials including wood and rocks. Effective in preventing sewer line clogs and protecting system pumps, these grinders are ideal for high-flow, open channel applications.

Benefits include Wipes Ready cutters to prevent long strips and reweaving, perforated drums to avoid buildup, and automatic reversing to clear jams.

The JWC dual-shafted grinders operate at low speed with high torque, shredding tough solids into smaller pieces compared to single-shafted alternatives. Their automated controls protect critical equipment and adapt to custom requirements and SCADA systems, reducing operating costs and maintenance needs.

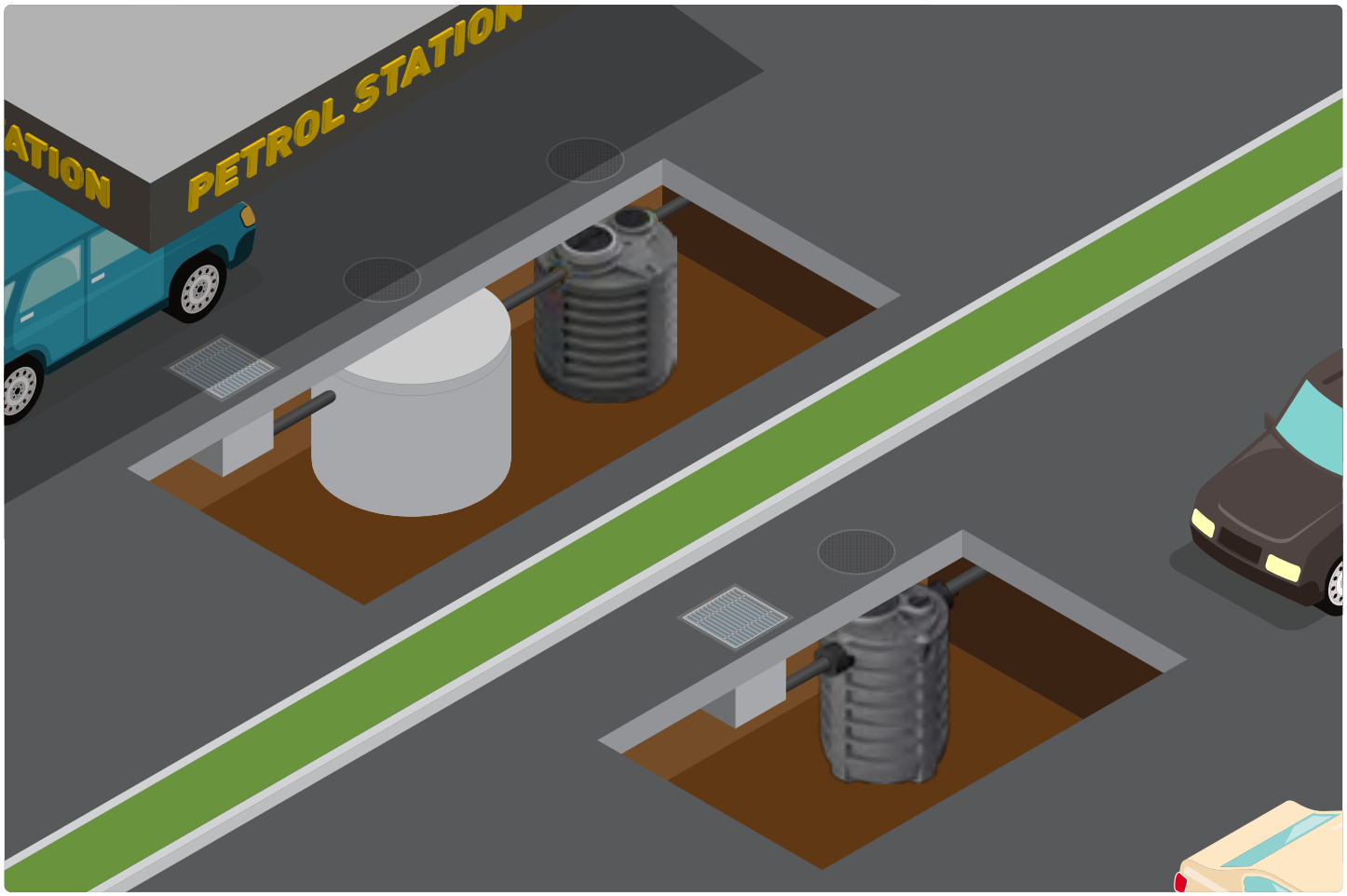
SULZER XRW

The XRW submersible mixers are Sulzer's premium range of energy-efficient mixers designed for agitating, blending, mixing, dissolving, and suspending solids in wastewater treatment plants and industrial applications. The XRW series includes several submersible mixers with flow rates ranging from 0.23 to 1.79 m^3/s and can be fixed in detention or treatment basins or rail-mounted in wet wells. These mixers are available with explosion-proof motor enclosures upon request.

SULZER XSB

The Sulzer XSB flow booster is a highly efficient, low-speed submersible mixing option for a wide range of applications in industry and municipal treatment plants. This slow-running submersible unit is available with a maximum mixing flow of up to 6.2 m^3/s and is equipped with integral IE3 premium-efficiency motors and self-cleaning propellers. These mixers are ideal for gentle circulation and mixing of fluids, providing an effective flow pattern in large tanks and open waters for mixing and stirring.

STORMWATER TREATMENT

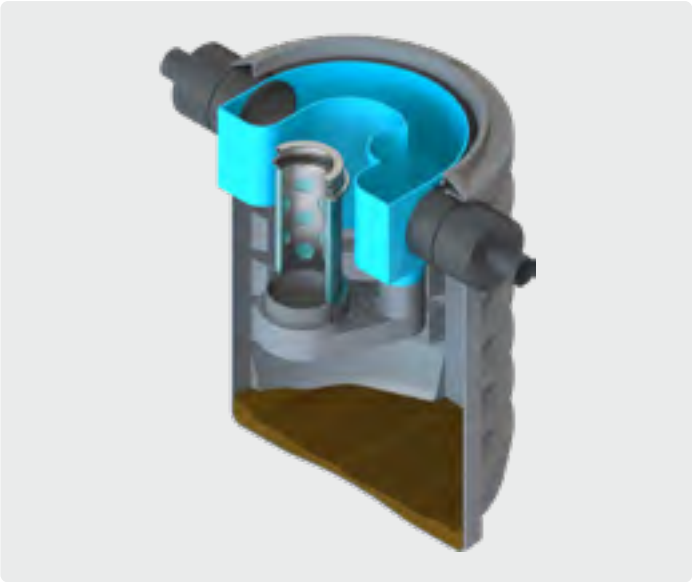


ECOTREAT™ CLASS 1 OIL/WATER SEPARATORS

Global Water's new EcoTreat Class 1 Stormwater Treatment Devices offer an economical solution for secondary stormwater treatment, capturing pollutants and releasing clean water back into the environment. This is an important objective for large-scale developments to minimise ecological impacts. These units are the most effective method for improving stormwater quality and waterway health through at-source treatment.

Made from tough, one-piece construction polyethylene, EcoTreat units are lightweight, easy to install, and corrosion-resistant. Available in Full Retention and Bypass series, they suit a range of applications. The Full Retention range is ideal for high-risk sites with potential hydrocarbon spills, while the Bypass range suits commercial and residential areas, treating first-flush runoff and bypassing larger stormwater flows.

These units have been independently tested and approved by the University of South Australia as Class 1 stormwater treatment devices, meeting EN 858-1, EPA, and Stormwater Australia guidelines. They treat to a discharge quality below 5 mg/L oil content and remove TSS (total suspended solids), TP (total phosphorus), and TN (total nitrogen). Removal rates for MUSIC modelling are available as per Stormwater Australia recommendations. These systems are gravity-operated to ensure functionality during power failures.

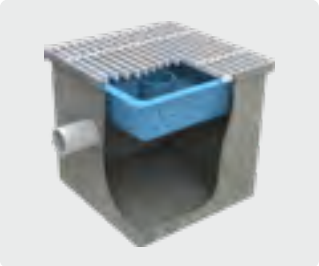


ECOTREAT™ CLASS 1 BYPASS

The EcoTreat Class 1 Bypass BP Separator treats stormwater from uncovered paved areas where managing stormwater deluge is a priority. These units are suitable for low-risk areas where catastrophic spills are unlikely and are designed to handle everyday hydrocarbon runoff and pollutants, while allowing high deluge stormwater flows to pass unrestricted. Best suited for applications such as car parks, shopping centres, industrial yards, airport aprons, and road tunnels, the Bypass separators prioritise the prevention of on-site flooding over hydrocarbon and gross pollutant treatment.

ECOTREAT™ CLASS 1 FULL RETENTION

For high-risk sites such as petrol stations, the Full Retention FR Series treats everyday contaminant runoff and provides protection against catastrophic spill events. Designed specifically for high-risk locations, the FR Series treats the total inflow before discharge. With treatment rates of up to 50 L/s, the FR separators include a mechanical auto shut-off device that allows clean water to pass through. In the presence of concentrated hydrocarbons, the device closes the discharge port, preventing the release of contaminated waste. Optional oil alarms are also available to assist with monitoring.



GROSS POLLUTANT TRAP

The EcoTreat gross pollutant trap (GPT) is the most economical solution for the removal of debris and silt from stormwater run-off or washdown water. These 600 x 600 mm clear open GPT pits replace conventional stormwater catchment sumps and protect the environment from gross pollutants including litter, bark chips, sand, and fine silt.

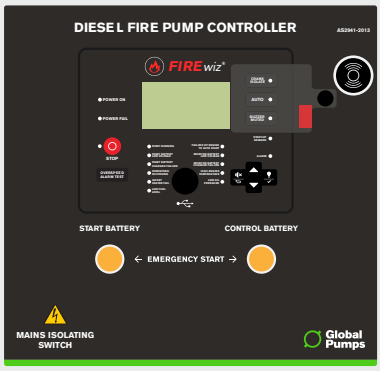
Made from glass-reinforced concrete, this primary at-source treatment device can be used to protect pump stations, stormwater treatment devices, and detention tanks. Multiple units can be installed to ensure effective site coverage and minimise the maintenance requirements of downstream systems. They are best suited for small to medium runoff areas such as car parks or as a primary treatment device for washdown bays.

STORMWATER BYPASS INTERCEPTOR

The stormwater bypass interceptor model SBI720 is an at-source treatment device that removes gross pollutants and fine silt from stormwater run-off, and effectively captures light contaminants and hydrocarbons such as oil and grease.

These units are specifically designed for smaller catchment areas such as mixed-use developments, small car parks, driveways, paved holding yards, and aprons. It provides an economical solution where treatment is preferred but a Class 1 device is not required.

FIRE PUMP SYSTEMS



ENDURANCE™

Developed to meet the demands for fully automated, turn-key packaged systems that exceed fire industry standards, the Global Water Endurance fire protection systems are available in single or dual arrangements, with electric and/or diesel drive configurations.

These fire protection water boosting systems are designed for hydrant, sprinkler, and drencher applications. Options include containerised units, heavy-duty skid bases, integrated hose reels, and jacking pumps. Global Water provides design, engineering, testing, installation, commissioning, training, and maintenance services and support.

FIREWIZ™ CONTROLLERS

The Global Water Firewiz Controllers are advanced, diesel engine powered, configurable, and programmable fire pump control panels designed to meet AS 2941 and AS/NZS 3000 standards. These IP65-rated panels feature a vibrant 4.3" TFT colour display, embedded web access, and state-of-the-art communication capabilities via Wi-Fi, Ethernet, and Modbus. Engineered for reliability, they offer 42 system alarms, extensive measuring instruments, and halogen-free, fire-resistant wiring for enhanced safety. With automatic and manual pump start options, real-time pressure monitoring, and comprehensive system diagnostics, Firewiz Controllers ensure optimal performance and seamless operation in critical fire protection systems.

CONTROLS

MUNICIPAL AND WATER AUTHORITY SWITCHBOARDS

These switchboards, built to the highest municipal standards, feature PLC-based control logic, HMI interfaces, alarms, generator backup systems, and weatherproof enclosures with radio telemetry or SIM card integration for SCADA. Advanced features, such as radar sensors and float switches, make them ideal for large-scale wastewater management systems.

Designed in 316 stainless steel or marine-grade aluminium, these panels manage submersible pumps with level, flow, and alarm inputs. They include MPCBs, thermal overloads, changeover switches, and surge protection. Customisable with emergency stops, pump selectors, and status indicators, they ensure efficient wastewater management, meeting the specific requirements of any municipal or water authority system with ease of installation and maintenance.

GLP PUMP CONTROLLERS

Global Water GLP pump controllers efficiently manage single or twin pumps via a user-friendly keypad and configurable module. Housed in durable IP56 powder-coated metal enclosures, they include all electrical controls and protection, with optional BMS outputs and SMS alarms.

Key features: automatic duty alternation, high-level alarm delay, smart chirp alarms, manual override, duty sharing, staggered start, and level/pressure control.

Protection includes circuit breakers, overloads, anti-seize, high/low-level alarms, excess run, and low-flow/pressure alarms. Ideal for residential and light-commercial sewage, stormwater, and water transfer. Optional power fail backup available.

HYDROWHIZ AND HYDROTOUCH PUMP CONTROLLERS

HydroWHIZ and HydroTOUCH controllers support VSD, soft-start, or DOL operation for multi-pump systems. HydroWHIZ is ideal for mid-range applications, offering advanced control, data logging, trend graphing, and diagnostics for optimised performance and maintenance.

HydroTOUCH supports up to 12 pumps with an intuitive setup wizard, duty sharing, proportional speed control, auxiliary tank monitoring, and optional UV lamp/flow meter control. It features robust fault protection and seamless BMS/SCADA integration via Modbus and Ethernet, making it ideal for pressure boosting and flow regulation in high-rise and large residential developments.

MANUFACTURING & WORKSHOP

Global Water delivers high-quality engineered products and services to the water and wastewater sectors, supported by state-of-the-art workshop and manufacturing facilities.

We design, manufacture, and factory-test multiple-pump electric and diesel pumping systems, as well as packaged pump stations, to meet the specific requirements of our clients.

Our in-house capabilities include engineering, specialised technical support, fabrication, service, repairs, and overhauls of submersible and multistage pump sets, along with commissioning and after-sales support.

WORKSHOP AND PLANT CAPABILITIES	
Workshop/Warehouse	3400 m^2
Manufacturing capabilities	Machining, fabrication, assembly and sheet metal working bays
Engineering	Full in-house design capability including 3D SolidWorks drafting
Lifting capacity	2 x 10 T, 1 x 5 T gantry crane; 2 x 1 T jib cranes
Forklift	2 x 3.5 T, 1 x 7.0 T forklifts; 3 x reach trucks
Wash bay	Wash down bay; high pressure water cleaner with sediment and solids separator tank for contamination control
Paint booth	Specialist coating and spray painting booth
Pump test facility	Up to 400 L/s or up to 400 kW electrical and up to 1000 kW mechanical, to Australian standards
Electrical	Design, manufacturing and site installation
Packages	Multi-pump skids, container mounted fire pump sets, wastewater pump stations, chemical dosing systems
Site works	Full site installation and commissioning capability with 2 x crane trucks equipped with confined space entry equipment

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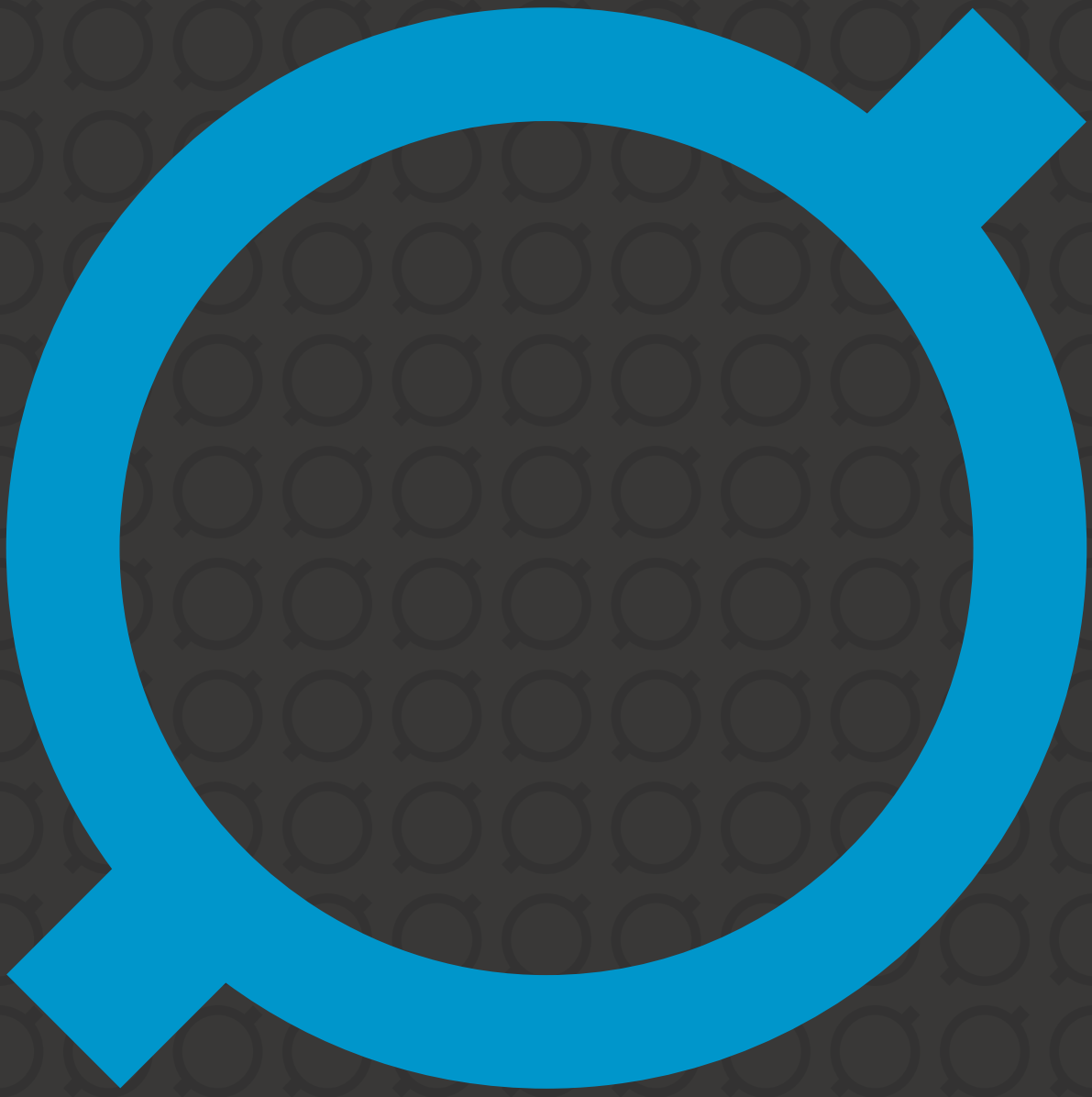

Global Water Group
Division of Global Pump Group Pty Ltd

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or to request a quote

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Global Water

CORPORATE PROFILE

WHO WE ARE

Global Water is your dedicated partner in water system solutions, committed to innovation and excellence in everything we do. Our expertise spans all sectors, from residential to commercial and municipal projects.

We pride ourselves on our collaborative approach, working closely with all stakeholders to fully understand the client's needs and deliver quality solutions tailored to each project.

Drawing on over 45 years of expertise and creative problem-solving, we exceed expectations, ensuring lasting success for our clients.

BESPOKE DESIGN

At Global Water, our approach is all about tailoring solutions to the unique requirements of each project.

Meticulous attention to detail and a thorough understanding of the application result in custom designs perfectly suited to your requirements.

Whether it's a wastewater treatment system or a stormwater pump station, our solutions are crafted to achieve the greatest efficiency and the lowest operational cost over the life of the system.

HOW WE HELP YOU

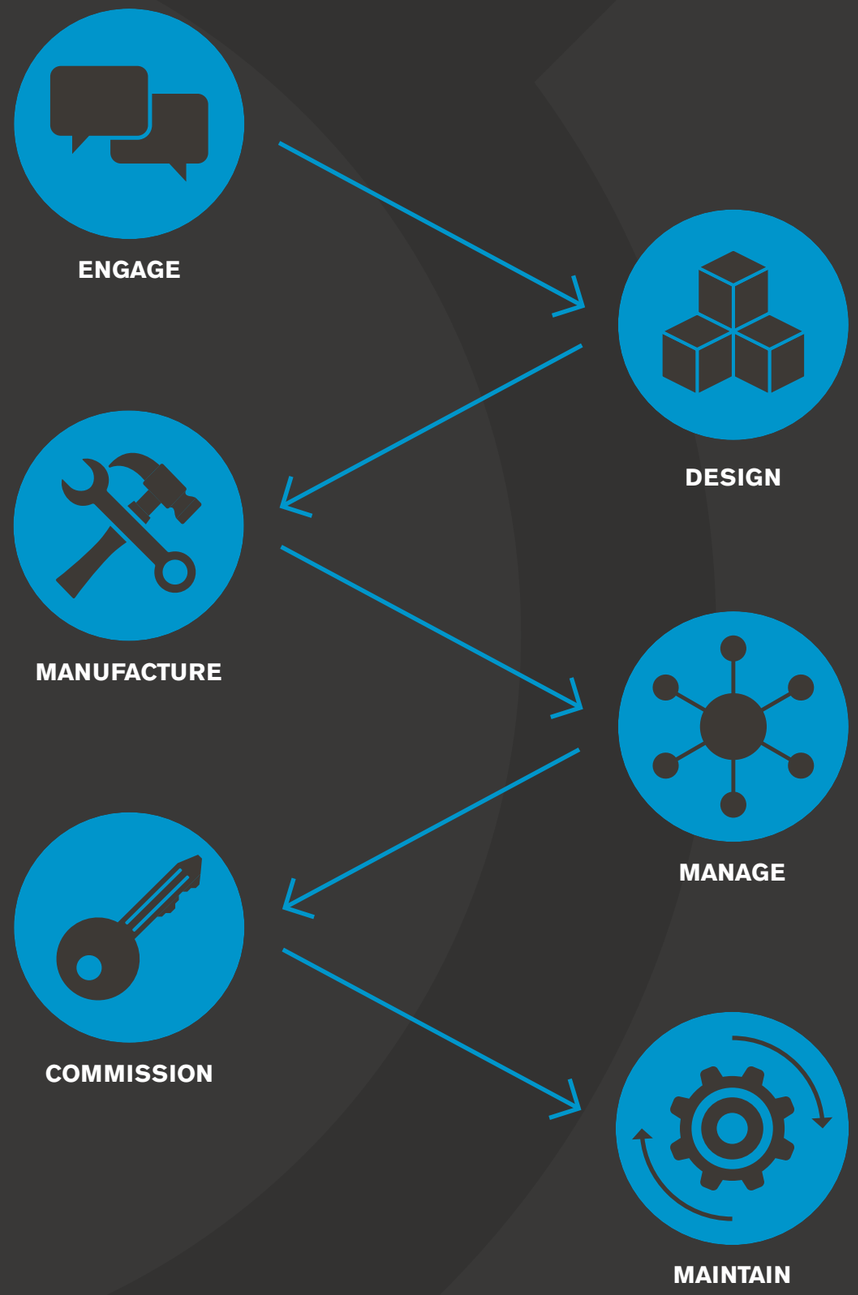
From concept to execution, we're your trusted guides throughout the project journey.

Our services encompass everything from designing wastewater and stormwater systems to delivering and commissioning them.

Our end-to-end delivery model guarantees seamless execution at every stage, from design and engineering to procurement and manufacturing.

By collaborating closely with you, we ensure your expectations are not just met, but exceeded at every turn.

Additionally, our commitment to post-installation support means we're here for you even after the project is completed, offering services such as system optimisation, technical training, and ongoing product support.



IN-HOUSE SPECIALISTS

Our team of in-house engineers has a thorough understanding of all aspects of water collection, pumping, and treatment, providing cutting-edge product innovation and efficient project management to ensure the ultimate solution.

With specialists dedicated to wastewater, stormwater, potable water, fire systems, industrial processes, trade waste, and mineral processing, Global Water is well-positioned to assist as your design and delivery partner for all things water.

Our services include engineering, technical advice, drafting, project management, site commissioning, and ongoing maintenance. By partnering with municipalities, consulting engineers, civil contractors, and residential and commercial plumbers, we leverage our collective expertise to deliver outstanding results.

LOCAL SUPPORT

Our commitment to your project doesn't end with installation – it's just the beginning.

Whether it's optimising system performance, providing technical training, or offering preventative maintenance, we're dedicated to ensuring the long-term success of your water system.

By partnering our fabrication workshop and repair facility with our large warehouse of pumps and spare parts, our team of experts is committed to responding to your on-site challenges as they arise.

With our robust local support network at your fingertips, we are here to provide ongoing assistance whenever you need it.

PUMP STATIONS
CONCRETE

ENVIROLIFT™ CONCRETE PUMP STATIONS

EnviroLift Concrete Pump Stations are high-strength precast concrete units offering the highest levels of engineered quality, reliability, and safety. The Global Water EnviroLift precast concrete packaged pumping stations have been developed for use in residential subdivisions, commercial and industrial developments, and common effluent schemes where larger storage volumes or high flow rates are required.

Boasting reduced installation costs, the one-piece base, sludge batter, and patented integral valve chamber are all hallmarks of design innovation and ingenuity. The EnviroLift concrete pump stations offer the smallest footprint, making them the preferred choice by clients across the nation.

THE ENVIROLIFT ADVANTAGE

Integral valve chamber
Global Water's patented Integral Valve Chamber design allows you to support medium and large-sized valves, which is particularly useful once you get past 80 mm diameter valves. The integral valve chamber allows for the separation of the valve assembly from the pump well, protecting personnel from exposure to noxious gases. It also provides easy access to valves while offering ultimate fall safety protection, as the user is not exposed to the full depth of the well. Since the integral valve chamber is cast as a single piece on top of the pump well, it ensures a small overall footprint and protects against differential settlement between separate units.

Modular design
Our EnviroLift pump stations have a modular, pre-engineered design that allows up to 15 m of internal depth, with up to three diameters available – 1.8 m, 2.25 m, and 3.2 m wide. Along with the integral valve chamber, we offer a range of other customisable valve arrangements, such as separate valve chambers, above-ground valve assemblies, and wall-mounted valves directly in the pump well. The precast concrete is pre-engineered to a Class D load rating without additional support, and the tongue-in-groove jointing system with locating key assists with alignment during installation.

One-piece base
The one-piece base and sludge batter design provides watertight construction between the vertical walls and the horizontal base slab. The internal sludge batter is designed to encourage sludge movement towards the pump asset, preventing build-up in the pump well corners.

Anti-buoyancy protection
The external toe around the base assists with anti-buoyancy protection in cases of high groundwater. Once the base unit is placed into the excavation, backfilled, and compacted, the precast toe will apply counter-pressure to the buoyancy forces acting on the chamber.

100-year design life
A 100-year design life is made possible by the use of a 50 mPa sulphide-resistant mix with calcareous aggregate. This makes the EnviroLift chamber suitable for sewer applications as standard (no concrete additive, epoxy, or liners required for sewer applications, which may be required for some GB concrete designs). They are approved to WSAA standards AS3735 and AS3500 and have been endorsed by many municipal authorities for use in their sewer and stormwater networks. Additionally, internal coatings, concrete additives, and polyethylene linings are available as options if required.

Optional extras include knife gate valves, tank level monitoring, custom penetrations, and a variety of different covers and fall protection systems.

Global Water is able to provide on-site commissioning of the pump station after installation is completed. Full after-sales backup is provided, with a preventative maintenance program available on request.

PUMP STATIONS
CONCRETE

DRAINACE™ CONCRETE

The DrainAce Concrete Pump Stations are Global Water's budget range of concrete pump stations. They are mould-formed and intensely vibrated using fibre-reinforced concrete and high early-strength cement for stormwater applications. For sewer and effluent applications, they are manufactured using calcareous aggregate, fully compliant with AS/NZS 1546.1:2008 and are Department of Health approved.

DrainAce concrete chambers can also be used as detention overflow chambers and blind dump pits or can be installed above ground for rainwater storage or water supply tanks.

Available in capacities ranging from 5,400 to 22,600 litres, each single-piece chamber is fully engineered for installation either above or below ground, with up to 1.75 metres burial depth. Covers come in either Class B or Class D load ratings. Each station utilises the 'Swift-Lift' system with certified lifting points in both the chamber and cover slab, allowing for efficient and safer onsite installation.

Single or dual submersible pumps are free-standing and mounted on flexible hoses, allowing for easy removal of pumps for maintenance. The chambers are suitable for up to 80 mm valves, which can be mounted internally, negating the need for an external valve chamber.

PUMP STATIONS
POLYETHYLENE

DRAINACE™ POLY

The DrainAce Polyethylene Pump Stations are designed as heavy-duty, lightweight prefabricated pump stations. By combining a heavy-duty polyethylene chamber with a wide range of pump and control options, these pump stations provide a compact, economical, and easy-to-install solution for sewer, effluent, and stormwater applications.

The DrainAce pumping chambers can also be used as neutralisation and buffer/dilution chambers in trade waste treatment systems and for stormwater detention and settling pits.

Polyethylene is a durable, lightweight material known for its excellent chemical resistance and exceptional strength. Holes can be easily cut on-site for inlet, vent, and conduit penetrations.

A range of cover options is available, including light-duty hinged aluminium covers, galvanised grates, and cast iron covers in Class B or Class D load ratings.

A complete range of automatic and manual pumps is available to suit any application, and they can be configured in single or twin pump arrangements.

PUMP STATIONS
SUMP PUMP

DRAINACE™ SUMP PUMP

The DrainAce Sump Pump Station handles flow rates up to 3 L/s and comes in precast glass-reinforced concrete (GRC) or polyethylene. With capacities up to 325 L, it's suitable for residential and light commercial use, including sullage, septic effluent, stormwater, and industrial waste.

The polyethylene option, available in 600 mm and 900 mm depths, is robust and cost-effective, ideal for stormwater collection. GRC offers superior toughness and rigidity, making it a lightweight, cost-saving alternative that reduces the need for heavy lifting equipment.

Each package includes pre-plumbed internal pipework, a check valve, and an isolation valve. Lid options range from light service aluminium to cast iron, with silt baskets available to protect pumps. Drainage and vortex-style pumps can handle grey water up to 40 °C and soft solids up to 40 mm, with larger units for special applications.

SUBMERSIBLE PUMPS
STORMWATER

SUBMERSIBLE SUMP PUMPS - GPD & GPV

The Global Water Submersible Sump Pump range offers reliable pumping for various stormwater applications in commercial, building services, and industrial environments. Single-phase units have float switches for automatic operation and built-in overload protection.

Our drainage pump range, with all-stainless steel construction, features a semi-open impeller suitable for greywater or stormwater applications, passing 10 mm solids.

Our stocked range of vortex submersible pumps, made of cast iron and stainless steel, includes heavy-duty pumps with either single or three-phase motors. They feature vortex or double-channel impellers to handle suspended solids up to 100 mm in diameter. Global Water also has extensive experience in providing design advice for larger bore submersible pumps for higher flow stormwater applications, such as industrial lots and council stormwater schemes.

Hazardous area pumps rated for Class 1 Zone 2 are also available for intrinsically safe, spark-resistant solutions and are the preferred choice for residential garages, undercover carparks, and warehousing applications.

SUBMERSIBLE PUMPS
WASTEWATER

DOMESTIC AND COMMERCIAL PUMPS

Global Water GP Series submersible sewage pumps offer reliable solutions for domestic and commercial applications. Constructed from cast iron for durability, they are available in single-phase and three-phase versions. With cutter and grinder mechanisms available, these macerating pumps are designed to process soft solids in a range of applications including residential dwellings, high-rise buildings, mining camps, and industrial developments.

Our Global Water range features the Sulzer Piranha series, but we also have access to an extensive variety of other quality brands. They can be supplied in free-standing configurations for use with flexible hose installations or auto-coupling pedestal-mounted with guide rails for HDPE pipe assemblies. Complete packaged pumping stations, including control panels, are available in single or twin pump configurations.

MUNICIPAL

Global Water understands the requirements in large municipal applications and offers an extensive range of wastewater pumps to meet the growing demands of the larger flow wastewater sectors.

Global Water's municipal range of submersible sewage pumps features advanced, premium-efficiency IE3 motors, which significantly reduce pump running costs. The advanced, non-clogging, and hydraulically efficient single-vane open impellers provide proven rag handling, and the large solids-free passage ensures anti-blocking operation.

Where municipal authorities require special coatings on their pumps, Global Water has expertise in sourcing applications such as Belzona coating. We hold the agency for the MetaLine range of spray-on elastomeric coatings, which are abrasion-resistant and offer anti-corrosive properties.

Global Water is also the exclusive ABS Sulzer agent for wastewater applications in South Australia and the Northern Territory. The Sulzer XFP pumps are approved by SA Water for use in large-scale residential subdivisions and infrastructure projects. The XFP range features a fast and easy wear plate tolerance adjustment system that negates the need to dismantle the pump, as well as a cable plug system that allows the pumps to be easily removed without disconnecting the wiring. We understand that many water authorities have brand preferences in their wastewater range, so Global Water works with a range of other industry-leading pump brands to source the ideal solution for every application.

PUMP SYSTEMS

E-BOOST™ PRESSURE BOOSTER SYSTEMS

The Global Water e-Boost range comprises potable water transfer systems designed to pressurise clean water in commercial and industrial projects. These systems often include vertical multi-stage pumps paired with VFDs (variable frequency drives) to respond to fluctuating demands. Cascade control logic ensures pump running hours are evenly distributed. Controllers monitor demand and adjust pump speed and the number of duty pumps to maintain constant pressure.

At Global Water, we use various brands and pump types to provide the most technically robust and commercially advantageous system. Our access to a range of brands and in-house expertise allows for a versatile approach to meet project outcomes.

In-built system monitoring, including a feedback loop, ensures reliability and support. These systems can operate with constant flow when paired with a digital flow meter. Standard features include mechanical seal protection, thermal overloads, no-flow alarms, pipe burst alarms, and power protection.

The e-Boost systems can include up to eight pumps in parallel, with optional jacking pumps. With flows up to 30 L/s and pressures up to 2900 kPa, these systems suit applications from toilet flushing to large industrial projects. Larger flows and pressures can be achieved with end-suction centrifugal pumps.

Applications include domestic cold water booster pump sets for apartment buildings, hotels, high-rises, industrial complexes, mining camps, and municipal potable water supply. The addition of filtration and rain/mains changeover systems supports rainwater reuse applications.

FILTRATION SYSTEMS

Global Water offers a range of custom filtration systems that can be partnered with our e-Boost Pressure Booster range. These systems integrate advanced filtration technology, including cartridge filters, UV filters, and automatic backwash filters, to ensure potable water quality for water supply and reuse. Typical applications include pressure boosting, HVAC systems, irrigation, and potable water treatment.

e-Boost Filtration Systems utilise a range of filters and valves to address various contaminants and water sources.

Cartridge filters
Effectively trap sediment, particles, and impurities, providing excellent filtration for residential and commercial applications.

UV filters
Use ultraviolet light to disinfect water by neutralising bacteria, viruses, and other microorganisms, ensuring safe and potable water for consumption.

Backwash filters
Employ a backwashing process to remove accumulated debris and contaminants, maintaining optimal filter performance and longevity.

RPZ valves (reduced pressure zone valves)
Prevent backflow and contamination of potable water in the mains by creating a barrier between the municipal water supply and the customer control network. This is essential for any private water supply network connected to a municipal water authority supply, including safety in irrigation, plumbing, and industrial systems.

We can provide skid-mounted options for efficient and convenient installation. Our team will work with you to meet your specific filtration requirements and provide the ultimate solution for your application.

PUMP SYSTEMS

GROUNDWATER EXTRACTION

Global Water offers a unique turnkey system approach that integrates civil, mechanical, and electrical disciplines on groundwater extraction projects, providing maximum value to clients. We have experience in engineering multiple bore pump water supply systems, transfer pumping, and panel tank storage systems, with optional solar-powered controls for municipal applications.

Global Water has a long history of partnering with the mining sector, completing automated dewatering bore fields, standpipe tanker refilling systems, and potable water transfer systems. We work with private and government clients on water reuse projects that require the supply and installation of borehole pumps and integrated water treatment systems for groundwater injection into deep aquifers and underground streams.

The Global Water engineering team will provide a tailored solution to meet your site specifications and installation requirements for your next groundwater extraction or injection project.

SURFACE WATER EXTRACTION

Global Water can provide floating or land-based surface water extraction for water supply, mine dewatering, effluent pond discharge, and fire fighting applications. Surface water pump systems are selected to handle a variety of specified liquids and can be configured with either electric motor or diesel engine drives. We have experience with floating pontoon systems, skid or trailer-mounted pumping systems, and wet or dry well pump stations.

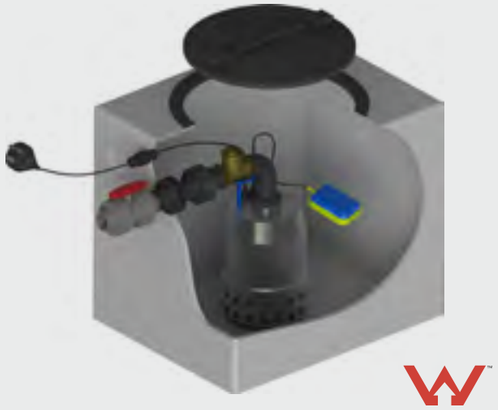
We will collaborate with you to design and provide a purpose-built surface water extraction system, tailored to your river and lake raw water extraction and pipeline pumping needs. We offer in-house manufacturing to limit assembly onsite and facilitate testing in a controlled environment. Our site team has experience working in remote locations to manage installation and commissioning once the system is delivered to site.

WASTEWATER TREATMENT

GREASE MUNCHER™

The GM700 Grease Muncher is a tradewaste arrestor that is water authority-approved for 1000 L/hr discharge for space-saving applications. It is designed to remove hydrocarbons such as grease and cooking fats from tradewaste systems before discharge into sewer networks. Its compact design features a small spatial footprint for above-ground applications, and its UV-stabilised polyethylene tank allows for outdoor installation. The GM700 is also suitable for below-ground installations.

By combining conventional underflow grease arrestor design with a unique biofilter, these low-maintenance units save costs and dramatically reduce grease and oil content in the wastewater discharge through microbiological processes. The Grease Muncher has been used extensively across Australia and is an excellent low-cost option for restaurants, cafes, and other light-commercial catering venues.



DRAINACE™ COMPACT

The DrainAce Compact pump station was developed to handle sink waste in situations where gravity discharge is not feasible. Featuring a stainless steel drainage pump, these WaterMark-approved units are ideal for restaurants, basements of high-rise buildings, laboratories, medical facilities, construction sites, and portable building facilities. Units are often used for discharge to grease arrestors and can handle liquid temperatures up to 50 °C continuously, or up to 80 °C intermittently, from dishwashers and glass washing machines.

OIL MUNCHER™ OIL SEPARATORS

The Global Water Oil Muncher coalescing plate oil separators are designed to remove oils and solids from trade waste and washdown. These gravity separators use the specific gravity difference between immiscible liquid components to separate oils and solids. Constructed with lightweight, chemical-resistant polyethylene, they feature a non-emulsifying diaphragm pump for enhanced efficiency.

Oily water is pumped from a below-ground tank into the separator chamber, where heavy solids settle and oils rise. The untreated mixture flows through coalescing plates, grouping smaller oil droplets into larger masses for flotation and separation. Denser solids are trapped in the sludge hopper, and clean water is discharged. An oil dam baffle prevents oil from entering the discharge outlet, while drains and skimmers aid oil removal.

These separators can be paired with a pump controller for monitoring, a settling tank for increased sediment removal, and a gross pollutant trap for debris protection. Ideal applications include washdown bays, car/truck washes, and workshops.

The GDP diaphragm pumps are integral to the Oil Muncher, with a belt-driven, heavy-duty gearbox that uses an eccentric block for diaphragm actuation. Self-priming and capable of running dry, these pumps handle abrasive liquids and pass solids up to 80% of the port size, minimizing clogging. Standard with TEFC motors, they can be fitted with intrinsically safe motors and EX-rated floats. Made from aluminium and Buna-N, they are durable and chemically resistant, making them ideal for industrial waste management and enhancing oil and solids separation.

TORO TSP SELF-PRIMING EFFLUENT PUMP

The TORO TSP self-priming sump pumps are rugged, solids-handling pumps designed for demanding industrial and municipal applications where trouble-free operation and long life are required.

Featuring quick-release clean-out ports, a replaceable wear plate with adjustable impeller clearance, back pull-out design, and oil-lubricated tungsten mechanical seals, the TORO TSP range is available in cast iron, 316 stainless steel, duplex, or super-duplex construction, with NBR (standard) or Viton rubber components.

Units can be supplied as direct-coupled or belt-driven by electric motors or stationary engines, and can be skid or trailer-mounted.

WASTEWATER TREATMENT

MUFFIN MONSTER™

As the local agents for Sulzer in South Australia and the Northern Territory, Global Water offers the full range of JWC Muffin Monster inline and open channel macerators. These devices tackle sewer and pump blockages by shredding large, rugged debris, wipes, and rags into small particles, helping to protect pumps and other downstream assets from clogs and damage caused by tough solids.

The patented Wipes Ready™ cutters prevent long strips and reweaving. The Delta P side rails enhance solid processing while maintaining flow, reducing operating costs by keeping equipment running efficiently. Maintenance is straightforward with easy-to-remove cutter cartridges.

Available in three series with a range of motor sizes, these macerators can be installed in open channels, pump station inlets, or inline mounted in pipelines. These high-torque, dual-shafted macerators are ideal for sewage pump stations, primary treatment headworks, and sludge processing.

CHANNEL MONSTER™

The Sulzer JWC Channel Monster open channel grinders, also available at Global Water, excel in pump stations and headworks with specialised technology for wastewater solids reduction. Using patented rotating screening drums, they capture and direct solids into a dual-shafted grinder, handling a range of materials including wood and rocks. Effective in preventing sewer line clogs and protecting system pumps, these grinders are ideal for high-flow, open channel applications.

Benefits include Wipes Ready cutters to prevent long strips and reweaving, perforated drums to avoid buildup, and automatic reversing to clear jams.

The JWC dual-shafted grinders operate at low speed with high torque, shredding tough solids into smaller pieces compared to single-shafted alternatives. Their automated controls protect critical equipment and adapt to custom requirements and SCADA systems, reducing operating costs and maintenance needs.

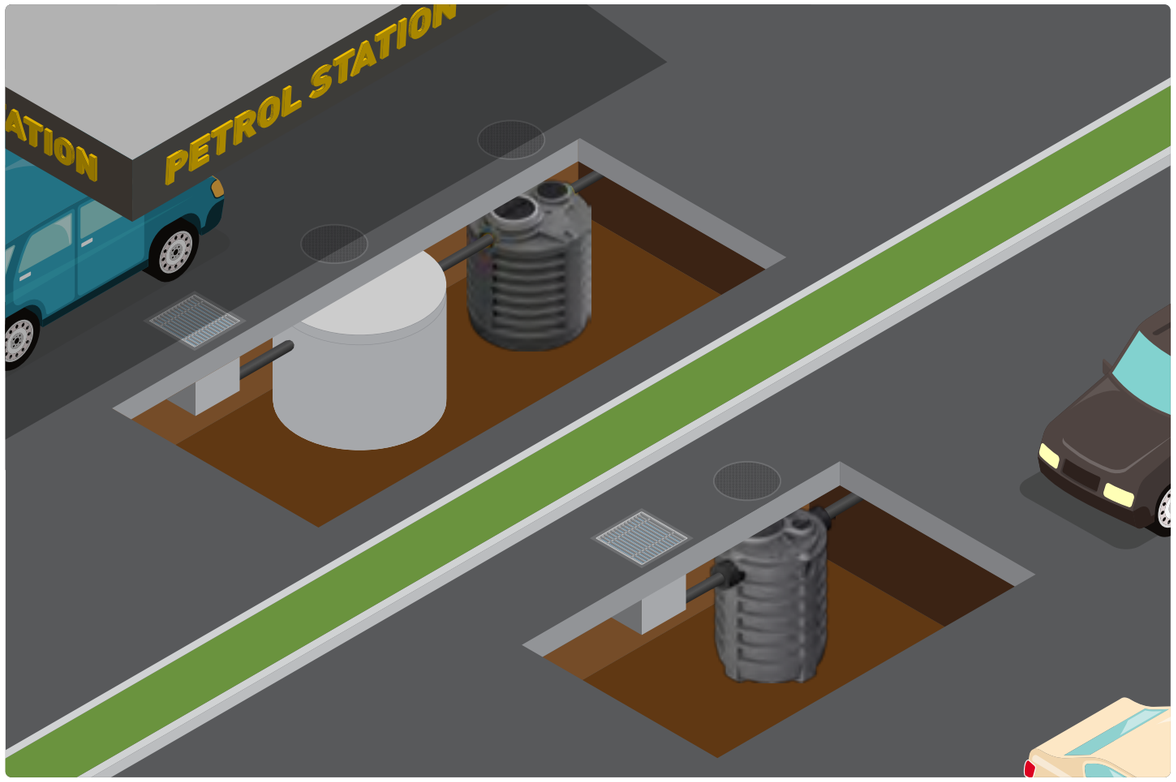
SULZER XRW

The XRW submersible mixers are Sulzer's premium range of energy-efficient mixers designed for agitating, blending, mixing, dissolving, and suspending solids in wastewater treatment plants and industrial applications. The XRW series includes several submersible mixers with flow rates ranging from 0.23 to 1.79 m³/s and can be fixed in detention or treatment basins or rail-mounted in wet wells. These mixers are available with explosion-proof motor enclosures upon request.

SULZER XSB

The Sulzer XSB flow booster is a highly efficient, low-speed submersible mixing option for a wide range of applications in industry and municipal treatment plants. This slow-running submersible unit is available with a maximum mixing flow of up to 6.2 m³/s and is equipped with integral IE3 premium-efficiency motors and self-cleaning propellers. These mixers are ideal for gentle circulation and mixing of fluids, providing an effective flow pattern in large tanks and open waters for mixing and stirring.

STORMWATER TREATMENT



ECOTREAT™ CLASS 1 OIL/WATER SEPARATORS

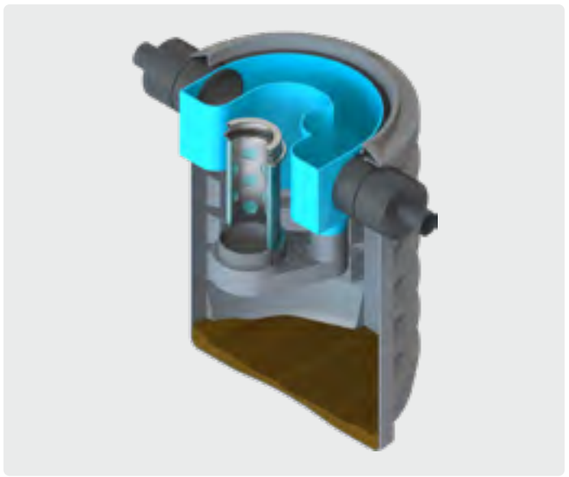
Global Water's new EcoTreat Class 1 Stormwater Treatment Devices offer an economical solution for secondary stormwater treatment, capturing pollutants and releasing clean water back into the environment. This is an important objective for large-scale developments to minimise ecological impacts. These units are the most effective method for improving stormwater quality and waterway health through at-source treatment.

Made from tough, one-piece construction polyethylene, EcoTreat units are lightweight, easy to install, and corrosion-resistant. Available in Full Retention and Bypass series, they suit a range of applications. The Full Retention range is ideal for high-risk sites with potential hydrocarbon spills, while the Bypass range suits commercial and residential areas, treating first-flush runoff and bypassing larger stormwater flows.

These units have been independently tested and approved by the University of South Australia as Class 1 stormwater treatment devices, meeting EN 858-1, EPA, and Stormwater Australia guidelines. They treat to a discharge quality below 5 mg/L oil content and remove TSS (total suspended solids), TP (total phosphorus), and TN (total nitrogen). Removal rates for MUSIC modelling are available as per Stormwater Australia recommendations. These systems are gravity-operated to ensure functionality during power failures.

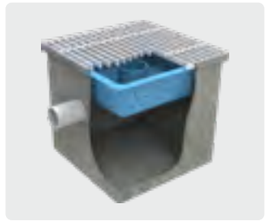
ECOTREAT™ CLASS 1 BYPASS

The EcoTreat Class 1 Bypass BP Separator treats stormwater from uncovered paved areas where managing stormwater deluge is a priority. These units are suitable for low-risk areas where catastrophic spills are unlikely and are designed to handle everyday hydrocarbon runoff and pollutants, while allowing high deluge stormwater flows to pass unrestricted. Best suited for applications such as car parks, shopping centres, industrial yards, airport aprons, and road tunnels, the Bypass separators prioritise the prevention of on-site flooding over hydrocarbon and gross pollutant treatment.



ECOTREAT™ CLASS 1 FULL RETENTION

For high-risk sites such as petrol stations, the Full Retention FR Series treats everyday contaminant runoff and provides protection against catastrophic spill events. Designed specifically for high-risk locations, the FR Series treats the total inflow before discharge. With treatment rates of up to 50 L/s, the FR separators include a mechanical auto shut-off device that allows clean water to pass through. In the presence of concentrated hydrocarbons, the device closes the discharge port, preventing the release of contaminated waste. Optional oil alarms are also available to assist with monitoring.



GROSS POLLUTANT TRAP

The EcoTreat gross pollutant trap (GPT) is the most economical solution for the removal of debris and silt from stormwater run-off or washdown water. These 600 x 600 mm clear open GPT pits replace conventional stormwater catchment sumps and protect the environment from gross pollutants including litter, bark chips, sand, and fine silt.

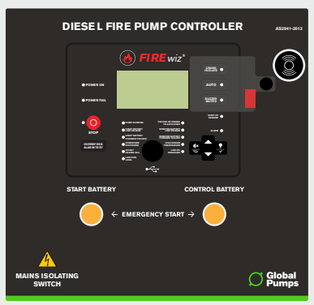
Made from glass-reinforced concrete, this primary at-source treatment device can be used to protect pump stations, stormwater treatment devices, and detention tanks. Multiple units can be installed to ensure effective site coverage and minimise the maintenance requirements of downstream systems. They are best suited for small to medium runoff areas such as car parks or as a primary treatment device for washdown bays.

STORMWATER BYPASS INTERCEPTOR

The stormwater bypass interceptor model SBI720 is an at-source treatment device that removes gross pollutants and fine silt from stormwater run-off, and effectively captures light contaminants and hydrocarbons such as oil and grease.

These units are specifically designed for smaller catchment areas such as mixed-use developments, small car parks, driveways, paved holding yards, and aprons. It provides an economical solution where treatment is preferred but a Class 1 device is not required.

FIRE PUMP SYSTEMS



ENDURANCE™

Developed to meet the demands for fully automated, turn-key packaged systems that exceed fire industry standards, the Global Water Endurance fire protection systems are available in single or dual arrangements, with electric and/or diesel drive configurations.

These fire protection water boosting systems are designed for hydrant, sprinkler, and drencher applications. Options include containerised units, heavy-duty skid bases, integrated hose reels, and jacking pumps. Global Water provides design, engineering, testing, installation, commissioning, training, and maintenance services and support.

FIREWIZ™ CONTROLLERS

The Global Water Firewiz Controllers are advanced, diesel engine powered, configurable, and programmable fire pump control panels designed to meet AS 2941 and AS/NZS 3000 standards. These IP65-rated panels feature a vibrant 4.3" TFT colour display, embedded web access, and state-of-the-art communication capabilities via Wi-Fi, Ethernet, and Modbus. Engineered for reliability, they offer 42 system alarms, extensive measuring instruments, and halogen-free, fire-resistant wiring for enhanced safety. With automatic and manual pump start options, real-time pressure monitoring, and comprehensive system diagnostics, Firewiz Controllers ensure optimal performance and seamless operation in critical fire protection systems.

CONTROLS

MUNICIPAL AND WATER AUTHORITY SWITCHBOARDS

These switchboards, built to the highest municipal standards, feature PLC-based control logic, HMI interfaces, alarms, generator backup systems, and weatherproof enclosures with radio telemetry or SIM card integration for SCADA. Advanced features, such as radar sensors and float switches, make them ideal for large-scale wastewater management systems.

Designed in 316 stainless steel or marine-grade aluminium, these panels manage submersible pumps with level, flow, and alarm inputs. They include MPCBs, thermal overloads, changeover switches, and surge protection. Customisable with emergency stops, pump selectors, and status indicators, they ensure efficient wastewater management, meeting the specific requirements of any municipal or water authority system with ease of installation and maintenance.

GLP PUMP CONTROLLERS

Global Water GLP pump controllers efficiently manage single or twin pumps via a user-friendly keypad and configurable module. Housed in durable IP56 powder-coated metal enclosures, they include all electrical controls and protection, with optional BMS outputs and SMS alarms.

Key features: automatic duty alternation, high-level alarm delay, smart chirp alarms, manual override, duty sharing, staggered start, and level/pressure control.

Protection includes circuit breakers, overloads, anti-seize, high/low-level alarms, excess run, and low-flow/pressure alarms. Ideal for residential and light-commercial sewage, stormwater, and water transfer. Optional power fail backup available.

HYDROWHIZ AND HYDROTOUCH PUMP CONTROLLERS

HydroWHIZ and HydroTOUCH controllers support VSD, soft-start, or DOL operation for multi-pump systems. HydroWHIZ is ideal for mid-range applications, offering advanced control, data logging, trend graphing, and diagnostics for optimised performance and maintenance.

HydroTOUCH supports up to 12 pumps with an intuitive setup wizard, duty sharing, proportional speed control, auxiliary tank monitoring, and optional UV lamp/flow meter control. It features robust fault protection and seamless BMS/SCADA integration via Modbus and Ethernet, making it ideal for pressure boosting and flow regulation in high-rise and large residential developments.

MANUFACTURING & WORKSHOP

Global Water delivers high-quality engineered products and services to the water and wastewater sectors, supported by state-of-the-art workshop and manufacturing facilities.

We design, manufacture, and factory-test multiple-pump electric and diesel pumping systems, as well as packaged pump stations, to meet the specific requirements of our clients.

Our in-house capabilities include engineering, specialised technical support, fabrication, service, repairs, and overhauls of submersible and multistage pump sets, along with commissioning and after-sales support.

WORKSHOP AND PLANT CAPABILITIES	
Workshop/Warehouse	3400 m^2
Manufacturing capabilities	Machining, fabrication, assembly and sheet metal working bays
Engineering	Full in-house design capability including 3D SolidWorks drafting
Lifting capacity	2 x 10 T, 1 x 5 T gantry crane; 2 x 1 T jib cranes
Forklift	2 x 3.5 T, 1 x 7.0 T forklifts; 3 x reach trucks
Wash bay	Wash down bay; high pressure water cleaner with sediment and solids separator tank for contamination control
Paint booth	Specialist coating and spray painting booth
Pump test facility	Up to 400 L/s or up to 400 kW electrical and up to 1000 kW mechanical, to Australian standards
Electrical	Design, manufacturing and site installation
Packages	Multi-pump skids, container mounted fire pump sets, wastewater pump stations, chemical dosing systems
Site works	Full site installation and commissioning capability with 2 x crane trucks equipped with confined space entry equipment

CONTACT

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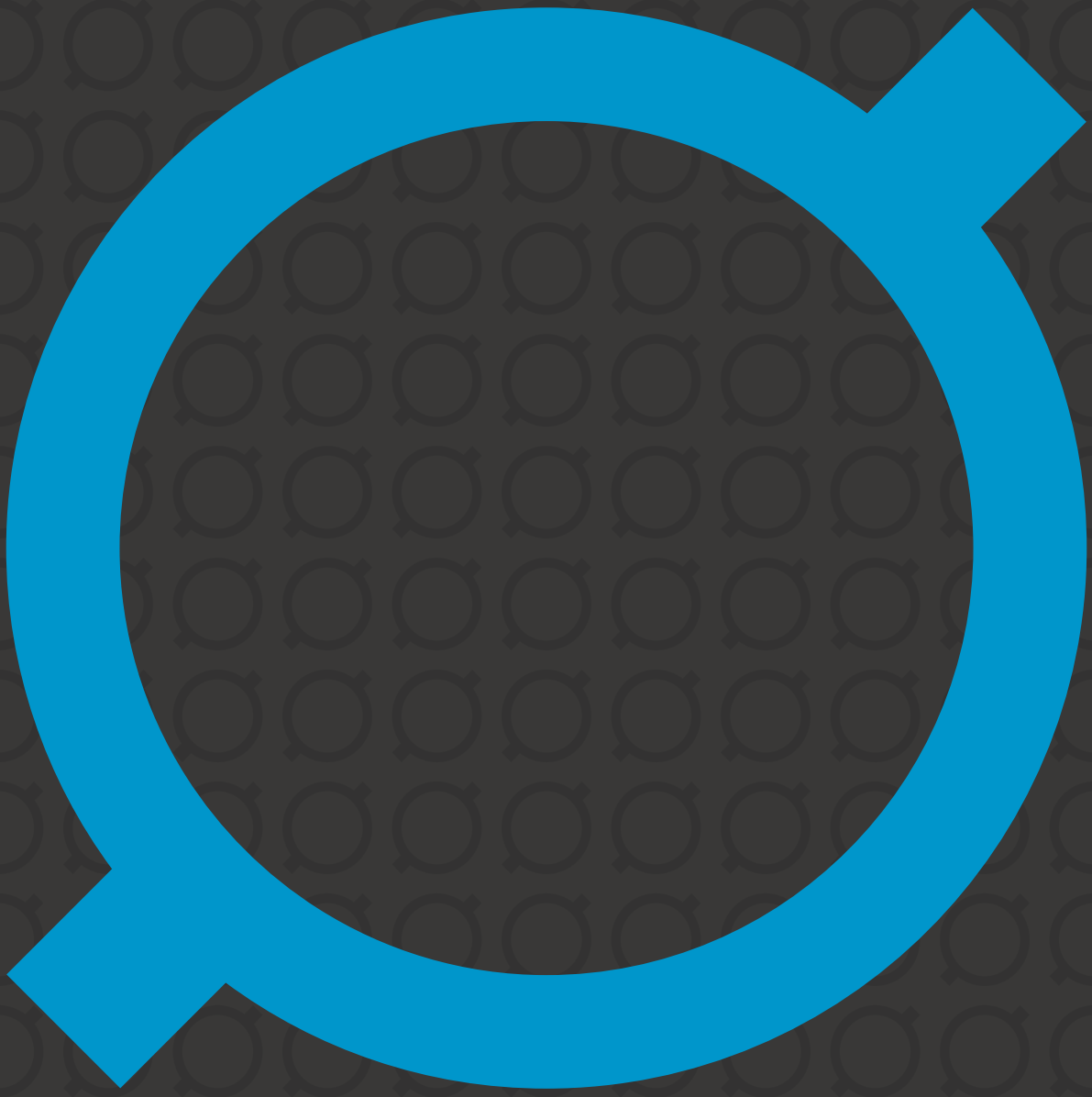
QUALITY SYSTEM CERTIFIED TO ISO 9001:2015

HEALTH & SAFETY SYSTEM CERTIFIED TO ISO 45001:2018

ENVIRONMENTAL SYSTEM CERTIFIED TO ISO 14001:2015



Global Water Group
Division of Global Pump Group Pty Ltd

For more information
or to request a quote

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