

End-to-end water and wastewater treatment solutions





CENTURION
WATER & WASTEWATER SOLUTIONS

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Our water & wastewater capabilities

Centurion Water delivers compliant, fit-for-purpose treatment systems for potable, domestic, process and industrial water and wastewater.

As part of the global Centurion Group, our work is carried out by local, experienced teams and supported by Centurion's other integrated business lines, supplying modular accommodation and camp services, lifting and power equipment, and inspection services.

We provide complete treatment solutions tailored to your site, budget and timeline. Whether you need a short-term rental, a permanent installation, or a custom-built plant, Centurion Water delivers reliable, compliant systems that scale from small remote camps to communities of over 16,000 people.

One partner, start to finish

From concept and design through to construction, transport, installation, commissioning, operation, and servicing, we manage it all. That means fewer contractors, smoother delivery, and one team who understands your site and your priorities.

Flexible models to suit your operation

Every site is different. That's why we offer multiple ways to access our systems; all designed to reduce capital outlay and deliver value over the long term.

- Rentals – fast, compliant modular plants ready to deploy
- Rent to buy – start small and transition to ownership
- Upgrade or refurbish – extend asset life and stay compliant without the cost of replacement
- Custom build – tailored systems for unique requirements
- Integrate with existing assets – build future-ready capacity while making the most of what you have.

Minimise downtime, maximise confidence

Our 24/7 service team provides scheduled, reactive and emergency maintenance for both Centurion and third-party systems across APAC.

Backed by 20+ years of industry experience and a multidisciplinary team of electrical, mechanical and chemical specialists, we support the full range of water and wastewater treatment processes.

- Predictable, structured routine maintenance protocols
- Remote monitoring and rapid fault response
- On-site troubleshooting and compliance support
- Quick access to spare parts, filters and chemicals
- On-site or remote support to keep your plant compliant and running

We focus on maximising uptime, reducing operational risk and maintaining consistent regulatory performance.

Spare parts, filters and chemical supply.

We keep your systems running with quality, compatible consumables.

Fast dispatch and 24/7 technical support from a single, trusted supplier means less admin, less downtime, and consistent plant performance.

Dedicated on-site operators

Need more than maintenance? Our dedicated on-site operators provide hands-on, fully accountable management of your treatment system.

From daily performance optimisation and data-driven monitoring to preventative troubleshooting and compliance management, we ensure your plant operates safely, reliably and efficiently.

Whether you require long-term coverage, short-term support or holiday relief, our operators reduce risk, prevent issues before they escalate and keep your system performing at its best.



Treatment technologies

At Centurion, we design and deliver water and wastewater treatment systems that are reliable, compliant, and easy to operate, backed by decades of experience across Australia and Asia.

Our technologies cover the full treatment process, from raw water intake through to reuse or safe discharge, helping you maintain water quality, protect assets, and meet regulatory standards.

Water

Pre-Treatment

Lamella Clarifier

Compact solid-settling system ideal for sites handling high sediment or sludge loads where space is limited.

Dissolved Air Flotation (DAF)

Removes oils, grease and suspended solids; suited to oily or high-organic wastewater from workshops, petrochemical and food industries.

Sedimentation Dissolved Air Flotation (SDAF)

Combines sedimentation and flotation to manage variable water quality where consistency is critical.

Chemical Dosing

Precision dosing to balance pH, control scaling and fouling, and support disinfection.

Primary treatment

Media Filtration

Removes suspended solids and turbidity to protect downstream equipment and improve water clarity.

Ultrafiltration (UF)

Membrane system that removes bacteria, viruses and fine particles, producing clear, pathogen-free water.

Nanofiltration (NF)

Reduces hardness, salts and organics, protecting infrastructure and extending equipment life.

Reverse Osmosis (BWRO/SWRO)

Produces high-quality potable or process water from brackish or seawater sources, ideal for remote or coastal sites.

Chemical Dosing

Precision dosing to stabilise water chemistry.



Sterilisation & Disinfection UV, Ozone and Chemical Disinfection

Final treatment barrier that destroys pathogens, ensuring water is safe for use or discharge.

Pre-Treatment

Lamella Clarifier, DAF,
SDAF, chemical dosing



Primary Treatment

Media filtration, UF, NF, BWRO/SWRO,
chemical dosing



Sterilisation & Disinfection

UV, ozone &
chemical disinfection

Wastewater

Centurion designs and delivers wastewater treatment systems built for reliability, compliance and ease of operation. Each system is tailored to your site's flow rates, wastewater characteristics and discharge requirements.

Our technologies include:

Pre-Treatment

Oily Water Separator (OWS)

Removes oil, grease and hydrocarbons from wash bays, workshops and refuelling areas.

Dissolved Air Flotation (DAF)

Removes oils, grease, and suspended solids to improve effluent quality.

Solids handling

Sludge Dewatering

Reduces water content in sludge for easier, more cost-effective disposal.

Polishing filtration for reuse

Media Filtration & Ultrafiltration (UF)

Polishing processes that remove fine solids, bacteria and viruses for clear, reusable water.

Biological Treatment

Sequential Batch Reactor (SBR)

Flexible biological treatment for domestic or light industrial wastewater. Ideal for remote or low-maintenance applications.

Membrane Bioreactor (MBR)

Combines biological and membrane treatment to achieve Class A+ effluent. Suitable for reuse in irrigation, dust suppression and firewater.



Pre-Treatment
OWS, DAF



Solids Handling
Sludge dewatering



Polishing Filtration
Media filtration, UF



Biological Treatment
SBR, MBR



Why choose Centurion?

When it comes to water and wastewater treatment, Centurion delivers reliable, flexible, and fit-for-purpose solutions backed by decades of experience.

Global strength, local focus

With over 20 years' experience across APAC, we combine global technical capability with regional delivery, ensuring faster mobilisation and better service where it counts.

A complete, end-to-end solution

We go beyond just supplying equipment, we deliver a complete solution to reduce lifecycle costs and increase plant reliability for our clients. Our full offering includes:

- Design, build, install, operate and maintain systems
- Short term or permanent plants
- Flexible commercial models: rent, rent-to-own, buy, upgrade or integrate with existing assets
- Ongoing servicing, operations support, and spare parts, filters and chemicals
- Integration with other Centurion services – camp accommodation and management services, power and lifting equipment, and inspections.

Flexible & scalable

Our modular systems are quick to deploy and scale as your needs grow, minimising capex and eliminating costly rebuilds.

Built for reliability

Our modular systems are engineered for long-term performance in harsh conditions - compliant, easy to operate, and supported by our team 24/7.

Rapid, rental-ready deployment

For clients needing fast, flexible, and capex-light solutions, our rental-ready plants offer a compliant, cost-effective alternative that keeps projects moving.

Our sectors



Mining



Oil & Gas



Renewables



Infrastructure



Construction



Utilities



Government



Food & Beverage

What clients say about us



"The region is extremely happy with their workmanship delivered through this project. The new shed and treatment plant is a very professional and clean build and will be a pleasure to work at. Over the course of the project, WestWater (a Centurion company) have been great to work with, and have always had great communication with the region and worked in well to ensure the scheme was not impacted."



"Centurion has a great team of people to work with. They are sympathetic to the customer's needs and will work with us to develop a mutually beneficial solution which is cost effective."

Recently we asked Centurion to assist with repair of a sludge press at Yandi wastewater treatment plant. Although sourcing parts was a problem because the company who made the press had sold the business, the team were able to find alternative suppliers. The service manager who installed the press still works with the company and knew exactly what was required.

The team's technical knowledge in understanding how to maintain their equipment is excellent. They are prepared to take the time to pass on this knowledge to our plant operators to ensure the plant is operated correctly."



"Open lines of communication, as well as over the phone/email advice provided generously and in a timely manner on the rare occasion when issues arise. Given our remote locations in the west Pilbara, finding quick and effective resolutions to water supply dilemmas are crucial.

The proactive communication regarding upcoming events and our monitored stock levels and changes to site visit days have been very helpful."

Key clients



Built to comply

- ✓ Australian Drinking Water Guidelines (ADWG)
- ✓ State Department of Health Wastewater Treatment Guidelines
- ✓ Licensed Electrical Contractor – WA & QLD
- ✓ Schedule 26 Statutory Supervisors – WHS (Mines) Regulations
- ✓ Certificate IV – Water Industry Operations (NWP40515)
- ✓ ISO 9001:2015 Quality Management Certification
- ✓ ISO 14001:2015 Environmental Management Certification
- ✓ ISO 45001:2018 Occupational Health & Safety Certification

Case studies



Client: Karratha Airport | Karratha, Western Australia
Project: Wastewater treatment upgrade

Karratha Airport, a regional hub in WA, needed to upgrade its wastewater system to improve compliance and reduce reliance on fresh water.

Centurion supplied and installed two 50kL Sequencing Batch Reactors (SBRs), a 50kL buffer tank, and a 100kL/day Ultrafiltration (UF) unit. The system transforms raw sewage through biological and membrane treatment into high quality water suitable for reuse.

The treated water now supports toilet flushing, gardens, and lawns across the airport, saving potable water and improving sustainability. Built for harsh conditions, the solution delivers reliable performance, ease of maintenance, and long-term efficiency

Client: Water Corporation | Crankbook, Western Australia
Project: Water treatment plant upgrade



Centurion was engaged to upgrade the Cranbrook Water Treatment Plant (WTP) in WA, which sources raw water from two dams with artificial catchments. The WTP had ongoing water quality issues that required costly carting during poor quality events. The existing bulk chlorine dosing system also risked non-compliance, and the client needed the plant to meet Level 4 treatment standards for public health protection.

Over 2.5 years, we designed and built a comprehensive upgrade including pH correction, coagulation, disc filtration, ultra-filtration, UV disinfection, and chlorination modifications – ensuring enhanced capacity and compliance.

The upgraded plant increased capacity to 247 kL per day within 16-hours, achieved Level 4 water source compliance, and we added a new 60 kL filtrate tank to provide additional storage and support future demand.

Client: Local Government owned utility | SE Queensland
Project: Electrochlorination using the Hypolyser®

A local government-owned utility in SE Queensland faced issues with poor chlorine retention and no site power at its facility. To address this, they set out to build a solar-powered, state-of-the-art plant with electrochlorination at its core. We were selected for our proven expertise in chlorination and exclusive Australian distribution of the Hypolyser® system.

Our solution included two 2.2kg/hr Hypolyser® units, storage tanks, dosing systems, and advanced chlorine/pH analysis. The customised system delivered an environmentally friendly, safe alternative to chemical goods, ensuring reliable water treatment without reliance on bulk chlorine





About Centurion

Centurion is a global leader in the supply of equipment rentals and services to a range of critical end markets for complex, challenging, and remote locations.

We combine the scale and breadth of offerings in five key regions: the US, Canada, UK & Europe, Middle East & North Africa, and Asia Pacific.

With a strong and established global presence, Centurion delivers best-in-class, tailored rental and service packages to meet customers' needs, no matter the size, scope, or location of their project.



Our offerings in APAC

In Asia Pacific, Centurion combines global expertise with local know-how to deliver the right solutions for our clients. From remote mine sites and wind farms to hydroelectric plants and major infrastructure projects, we support operations of every size and complexity.

Our integrated business lines allow us to provide complete project support:

Centurion Water – compliant, fit for purpose treatment systems for potable, domestic, process and industrial water and wastewater.

Centurion Camps & Services (CAMS) – workforce camps, portable buildings and site management services.

Centurion Lifting Services (CLS) – specialist lowering, lifting and positioning equipment, with NATA-accredited inspectors, mechanical experts, and in-house NDT and DROPS capability. We manage our own fleet and provide inspection, repair and maintenance (IMR) services to keep client equipment safe, compliant, and operational.

Centurion Power & Equipment (CPE) – portable power systems with technical support, on-site operators, and mechanical inspections. We also supply equipment and qualified operators for oil and gas well servicing.

Centurion Subsea Services (CSS) – specialist equipment and services for subsea drill support, construction, IRM, and decommissioning – supporting both ROV and diver operations.



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