

# CAPABILITY STATEMENT



# CENTURION

**WATER & WASTEWATER SOLUTIONS**

**END-TO-END WATER AND  
WASTEWATER TREATMENT SOLUTIONS**







# ABOUT CENTURION

Centurion is a global leader in the supply of equipment rentals and services to the critical industries, including mining, renewables, oil and gas, construction, defence, infrastructure, and agriculture.

Operating across five key regions – Asia Pacific, US, Canada, UK and Europe, and the Middle East and North Africa – we deliver practical, cost-effective solutions through innovation, collaboration, and a deep understanding of industry needs. At Centurion we are focused on safety, sustainability, and working more efficiently to support our clients, even in the toughest and most remote conditions.

Throughout the Asia Pacific region, Centurion connects global capability with local expertise to deliver effective solutions tailored to our clients' needs. From remote mine sites and wind farms to hydroelectric power plants and major infrastructure projects, we deliver the right solution – regardless of the scale or complexity.

## Our offerings in the Asia Pacific region

**Water & Wastewater Solutions** – End-to-end treatment systems for potable water, domestic wastewater, process water and wastewater, and industrial wastewater.

**Lifting Services** – Certified lifting, lowering, and positioning equipment, along with testing and inspection services for high risk environments.

**Accommodation & Modular** – Portable accommodation for workforce housing, buildings and site infrastructure, as well as full site management services.

**Power & Equipment** – Reliable power generation, distribution and mechanical equipment for demanding environments.

**Subsea Services** – Provides one of the regions largest 'back of deck' and subsea equipment fleets, along with inspection services and decommissioning support.





# OUR CAPABILITIES

## CENTURION WATER & WASTEWATER SOLUTIONS

At Centurion Water & Wastewater Solutions (CWWS), we provide end-to-end water and wastewater treatment solutions tailored to our client’s needs and budget. We offer standard designs and custom-built systems with options to purchase or rent depending on project needs. Built for compliance, scalability and reliable performance in harsh environments, our treatment solutions support populations from 15 to 16,000.



### Rentals

Centurion offers a reliable rental fleet of water and wastewater treatment plants, as well as potable water pressure pump systems and fire pump systems, all available at short notice. Designed with modular ‘plug and play’ technology for minimal installation time and lower transportation costs, these units are ideal for temporary or evolving projects.

In addition to our ready-to-deploy fleet, we also provide custom-designed rental systems to meet specific requirements, offering a cost-effective alternative to purchasing outright.

### Refurbishment and upgrades

Extend the life of your existing infrastructure, whether it’s our system or someone else’s - with cost-effective refurbishment and upgrade solutions.

### Custom builds

Our systems can be custom built to suit the specific demands of your site, delivering reliable performance in all types of environments - across all industries and locations.

### Full solution delivery

We can manage the entire process - from concept and design through to procurement, transportation, installation, commissioning, and service and maintenance - providing a seamless, start-to-finish water and wastewater treatment solution.

### Long term, onsite operators

We deliver full-site operations with on-site technicians who oversee the day-to-day performance of the system, including optimisation and data-driven monitoring. This service helps to prevent issues before they arise, reduces risk and improves the reliability of the treatment plant.

### Spare parts and chemicals

Centurion supplies a full range of spare parts and high-quality chemicals to keep your water and wastewater treatment systems running reliably. By sourcing everything through Centurion - alongside your treatment plant—you streamline procurement, reduce vendor management, and ensure compatibility and continuity. With reliable stock, fast dispatch, and 24/7 support, we help minimise downtime and keep your system operating smoothly.

### Water samples and lab testing

We conduct water sampling and laboratory testing through NATA-accredited facilities, using the results to determine the most effective water or wastewater treatment method.

### 24/7 service and support

Our commitment doesn’t end at delivery. We provide ongoing scheduled, reactive and emergency maintenance and servicing for both Centurion and third-party treatment plants. Backed by a large team of electrical, chemical, and mechanical engineers, technicians and plumbers, we offer:

- Remote and on-site monitoring
- 24-hour coverage for critical infrastructure
- A fleet of mobile technicians who come to you.

All designed to maximise performance, minimise downtime and costs, and ensure your plants stays compliant.

# 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.

-  20 years' experience across Australia and Asia
-  Cross-sector expertise: mining, energy, construction, manufacturing
-  Built for remote, harsh conditions – robust, low-maintenance, compliant
-  Modular, scalable systems designed to adjust with your site
-  Rent, buy or refurbish – standard or custom designed
-  Fast mobilisation with minimal disruption
-  24/7 support – on-site or remote, when needed
-  Global capability to scale with your project.



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“Clients tell us that they appreciate a partner who’s all in – someone who’ll work alongside them to solve problems, not just supply the treatment plants.

They say what matters most is having one team that can do it all if required – build, install, operate, and maintain, while having a whole range of spare parts and chemicals on hand. Whether it’s renting, refurbishing or buying, standard or custom designed – we tailor solutions to fit their site, budget and timelines. And they trust that what we deliver is built tough, is dependable, and is ready for the harshest conditions.”

**STEVE JAMIESON**

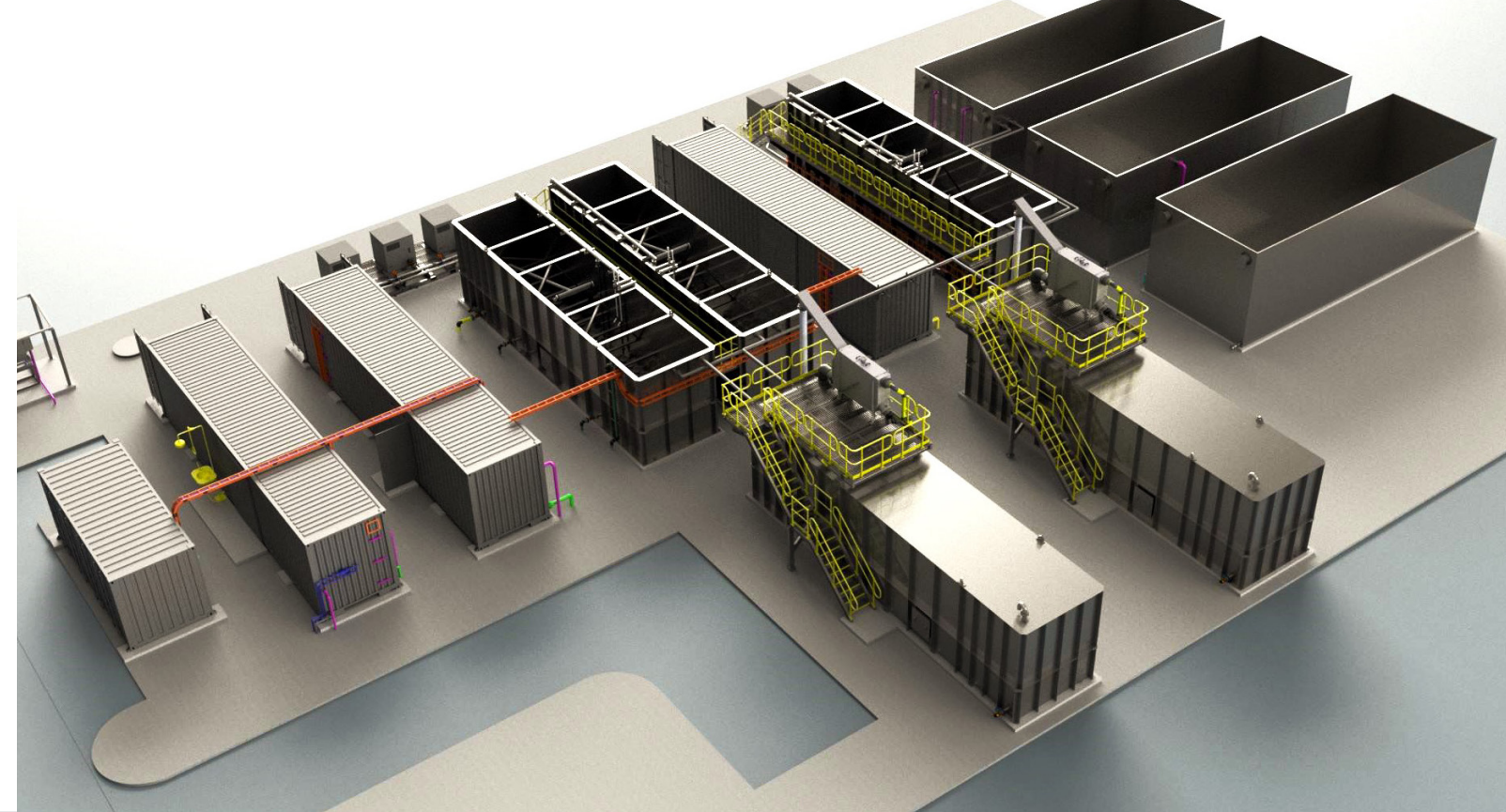
GM, Centurion Water & Wastewater Solutions





# OUR TREATMENT TECHNOLOGIES

At Centurion, we offer a comprehensive range of water and wastewater treatment solutions designed for reliability, ease of operation, and compliance.



## Water

After analysing your water sample, we recommend the most suitable treatment process to meet your water quality requirements. Our technologies include:

### Reverse Osmosis (BWRO/SWRO)

Brackish Water Reverse Osmosis (BWRO) and Sea Water Reverse Osmosis (SWRO) systems remove dissolved salts and contaminants through multi-stage filtration, producing high-quality, mineral-balanced potable or process water.

**Media Filtration:** A simple and effective method for removing suspended solids using sand, gravel or other filter media.

**Ultrafiltration (UF):** Uses semi-permeable membranes to remove bacteria, viruses and suspended solids, delivering high-clarity water for a range of applications.

**Nanofiltration (NF):** Offers selective removal of divalent salts and organic compounds, ideal for softening water and reducing specific contaminants.

**Lamella Clarifier:** A compact, inclined plate system that efficiently settles solids from water or wastewater.

### Dissolved Air Flotation (DAF)

A process that clarifies water by removing suspended solids, oils, and other contaminants through microbubble flotation.

### Sedimentation Dissolved Air Flotation (SDAF)

Combines sedimentation and flotation to enhance solid separation for complex water matrices.

**Sterilisation/Disinfection:** Includes UV, ozone, and chemical methods to eliminate pathogens and ensure safe water.

**Chemical Dosing:** Precise chemical dosing systems to adjust pH, control scaling, and support disinfection.

## Wastewater

We deliver tailored wastewater treatment solutions designed to suit the specific influent flow rates and characteristics, site conditions, budget, and treated effluent disposal method of each project. Our technologies include:

### Sequential Batch Reactor (SBR)

A flexible, low-maintenance solution for domestic and light industrial wastewater - ideal for remote or budget-conscious sites.

### Membrane Bioreactor (MBR)

Treats wastewater to Class A+ (High Risk) standards, making it suitable for re-use in irrigation, dust suppression, firewater, and process water.

### Oily Water Separator (OWS)

Removes oil, grease, and hydrocarbons from wastewater to meet discharge standards - commonly used in wash bays, workshops, and industrial sites.

**Sludge Dewatering:** Minimises the volume of sludge for easier transport and disposal using centrifuges, belt presses, or geotextile bags.





# System Capacity Guidelines

To ensure optimal design, performance, and scalability, Centurion sets guidelines for plant capacity based on the type of treatment system. Capacity will vary depending on whether the plant is modular (pre-assembled and transportable) or non-modular (custom built on-site).

## Water Treatment Plants (Media Filtration & Reverse Osmosis)

- Modular systems accommodate up to 16,000 people - 4 million litres/day
- Non-modular systems can handle up to 30,000 people - 7.5 million litres/day.

## Wastewater Treatment Plants (MBR & SBR)

- Modular systems support up to 3,000 people - equivalent to 0.75 million litres/day
- Non-modular systems can be scaled up to 20,000 people - 5 million litres/day.

## DAF/SDAF/ Lamella Clarification Units

- Each unit has a maximum capacity of 150 m³/hour - 3.6 million litres/day
- Multiple units can be combined to meet higher capacity requirements.

## Sterilisation and Disinfection

- No capacity limitations apply.

## Chemical Dosing Systems

- No capacity limitations apply.

# Recycled Water

Effluent is a valuable resource that can be treated and reused across a range of applications. Recycling water not only reduces reliance on freshwater sources but also supports more sustainable site operations.

Our systems produce recycled water in three quality levels to meet site-specific needs:

- Low Risk (Class C)
- Medium Risk (Class A)
- High Risk (Class A+).

We're committed to helping our clients improve sustainability outcomes by selecting the right treatment level based on intended use, regulatory requirements, and site conditions.

# INDUSTRIES WE SUPPORT

Centurion Water and Wastewater Solutions has extensive experience across a range of industries, with a primary focus on:

- Mining and Resources
- Food and Beverage
- Renewable Energy
- Agriculture
- Construction
- Defence
- Manufacturing
- Municipal





# CASE STUDIES



**CLIENT**  
Atlas Iron  
Western Australia

**PROJECT**  
Expansion of Water & Wastewater  
Treatment Infrastructure

As Atlas Iron expanded its Sanjiv Ridge camp from 180 to 250 personnel, Centurion was engaged to upgrade the water and wastewater treatment systems. The brief required compact, containerised solutions with increased capacity, Class C effluent compliance, and remote monitoring integration.

Centurion delivered a tailored solution: a 40ft Reverse Osmosis (RO) water treatment plant (75m<sup>3</sup>/day) and a wastewater treatment plant (65m<sup>3</sup>/day) with SCADA-compatible PLCs, motorised flow control valves, and digital pressure sensors. Both systems worked within the constraints of existing tank infrastructure.

## RESULTS

- Scalable, future-ready infrastructure
- Automation and integration with remote systems
- Compliant treatment systems
- Cost savings through use of existing tanks.

**CLIENT**  
Talisson Lithium  
Western Australia

**PROJECT**  
Expansion of Wastewater  
Treatment Capacity

With Talisn Lithium expanding its camp from 500 to 880 personnel, Centurion was engaged to design, supply, and install a new Membrane Bioreactor (MBR) Wastewater Treatment Plant to operate alongside the existing system. The upgrade was needed to handle an additional 95kL/day while meeting Department of Health 'High Risk' effluent standards.

Centurion delivered a scalable, containerised MBR plant with a capacity of 250EP or 380EP. The system integrated with the existing balance tanks and included a WEDECO LBX90e UV disinfection unit to ensure compliance. Designed for reliability and minimal operator input, the plant handles flow and load variations with ease.

## RESULTS

- Increased capacity to support 880 personnel
- Achieved 'High Risk' effluent compliance
- Integrated with existing infrastructure
- Scalable and low-maintenance solution.

**CLIENT**  
ExxonMobil  
Papua New Guinea

**PROJECT**  
Supply & Expansion of Wastewater  
Treatment Plant

To support a growing workforce, the ExxonMobil project needed to expand its wastewater treatment capacity. Centurion designed and supplied a modular Sequencing Batch Reactor (SBR) Wastewater Treatment Plant, initially servicing 500 EP, later increasing to 750 EP.

The solution included stainless steel balance and treatment tanks, and seamless integration with the existing Hides Gas Conditioning Plant SBR system. A new 90m<sup>3</sup> balance tank and repurposed infrastructure - including sludge dewatering and effluent reuse systems - reduced capital costs and improved efficiency.

## RESULTS

- Scalable design allowed for staged capacity increases
- Proven SBR technology ensured reliable performance with minimal operator input
- Durable construction using 316 stainless steel balance and treatment tanks
- Effluent re-use and water savings
- Capital savings through infrastructure re-use.



# KEY CLIENTS



## BUILT TO COMPLY

At Centurion Water and Wastewater Solutions, we adhere to the highest regulatory, health and environmental standards, ensuring our solutions meet industry-specific compliance requirements:

-  **Australian Drinking Water Guidelines (ADWG)**  
Ensuring safe and compliant potable water treatment.
-  **State Department of Health Wastewater Treatment Guidelines**  
Meeting all wastewater treatment regulations.
-  **ISO 9001:2015 Quality Management Certification**  
Commitment to quality and continuous improvement.
-  **ISO 14001:2015 Environmental Management Certification**  
Ensuring environmentally responsible practices.
-  **ISO 45001:2018 Occupational Health & Safety Certification**  
Prioritising the safety of our workers and clients.







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