

PWTSA delivers water treatment, purification and reuse solutions

AS water scarcity, aging infrastructure, and increasing environmental compliance requirements place greater pressure on industries and municipalities across Southern Africa, the need for reliable and sustainable water treatment solutions has become more important than ever. Effective water management is now a strategic priority for organisations seeking to secure operations, reduce costs, and improve environmental performance.

Process Water Technologies (PWTSA) has established itself as a leading provider of water and wastewater treatment solutions, delivering advanced systems that support water security, operational efficiency, and long-term sustainability. The company specialises in the design, manufacture, and implementation of treatment technologies that incorporate physical,

chemical, membrane, and biological processes to meet the diverse needs of industrial, commercial, and municipal clients.

PWTSA's solutions utilise proven technologies such as coagulation, flocculation, sedimentation, filtration, ultrafiltration, reverse osmosis, ion exchange, and specialised biological treatment systems. These technologies enable the treatment of raw water, wastewater, and industrial effluent for applications including cooling systems, boiler feed water, manufacturing processes, potable water production, and water reuse initiatives.

As water becomes an increasingly valuable resource, industries are actively seeking methods to reduce freshwater consumption and maximise recovery opportunities. PWTSA assists clients in achieving these objectives through customised water purification and

reclamation systems that convert challenging water sources, including rivers, dams, municipal wastewater, and industrial effluent, into valuable reusable water resources. This approach not only reduces operating costs but also strengthens environmental stewardship and regulatory compliance.

A key differentiator for PWTSA is its commitment to in-house engineering and design. All potable water, industrial water, desalination, sewage, effluent, filtration, and reverse osmosis plants are engineered by the company's experienced technical team. This integrated approach ensures greater flexibility, enhanced quality control, and tailored solutions suited to site-specific operating conditions.

The company's extensive portfolio includes industrial and potable water treatment plants, sewage treatment facilities,

effluent treatment systems, desalination plants, media filtration units, ultrafiltration systems, and containerised treatment solutions. PWTSA has successfully delivered projects throughout South Africa, across the African continent, and in island nations such as Madagascar, Mauritius, and the Seychelles, providing sustainable water solutions that support economic growth and responsible resource management.

Among its innovative offerings is a trailer-mounted mobile water purification system, designed to deliver safe drinking water wherever it is needed.

This self-contained, rapid-deployment solution combines ozone pre-treatment, multi-stage filtration, reverse osmosis technology, and final chlorine disinfection to produce high-quality potable water from even the most challenging water sources.



Process Water Technologies' advanced water treatment and mobile purification solutions help industries and communities achieve sustainable water security and resource recovery across Africa.

The mobile system is ideally suited for disaster relief operations, mining camps, rural communities, construction projects, military deployments, and temporary municipal water supply support. Available in capacities ranging from 1 m³/hr to 10 m³/hr, the unit features automated controls, real-time monitoring,

optional solar or generator power, and integrated water storage, enabling reliable operation in remote and off-grid environments.

As water challenges continue to evolve, Process Water Technologies remains committed to delivering innovative, reliable, and cost-effective treatment and reuse

solutions that help industries and communities secure their water future. Through technical excellence, customised engineering, and a focus on sustainable resource management, PWTSA continues to play a vital role in strengthening water resilience across Africa.

<https://www.pwtsa.com/>



Process Water Technologies^{CC}

**Innovative
Water Solutions
for Industry
& Infrastructure**



Our Expertise

- Water purification & filtration
- Wastewater treatment & recycling
- Reverse osmosis & desalination
- Custom-engineered water systems

Why Choose Us?

- Proven track record across power, mining, and manufacturing
- Turnkey solutions from concept to commissioning
- Commitment to sustainability and efficiency
- Local expertise with global standards