

An aerial photograph of a wastewater treatment plant. The image shows four large, circular aeration tanks arranged in a 2x2 grid. Each tank is filled with water and contains several rows of circular diffusers. A central metal walkway with railings runs between the tanks, and a staircase is visible at the top right. The surrounding area is green grass with some yellow wildflowers. A blue banner with white text is overlaid on the bottom right of the image.

Water & Wastewater Treatment

About Te-Tech Process Solutions

Te-Tech Process Solutions is a provider of advanced process technologies and conventional products for industrial, municipal and commercial water and wastewater treatment. Our products cater for a range of client needs from standardised products to engineered solutions designed to meet the exacting needs of the client's process.

Te-Tech's in-house capability includes process, mechanical and electrical design, off-site manufacture and assembly, MCC and Control Panel Manufacture

and System Integration. Our extended services include digital engineering, service and maintenance, operational support and real time control.

Our organisation is founded upon 4 key areas of expertise:

- Water and Wastewater Treatment
- Automation Control and Technology
- Digital Engineering
- Offsite Manufacturing and Assembly

Advanced technology and innovation are at the core of our business enabling us to provide high quality, efficient solutions to our clients.

Water & Wastewater Treatment

Our range of water and wastewater solutions are available in package, modular or bespoke designs to provide sustainable solutions for the effective removal of solids and emerging pollutants, including phosphorus, nitrates and pharmaceuticals.

We help our clients find innovative solutions to address the key challenges placed upon them, including tightening consents, population growth, water scarcity and resilience.



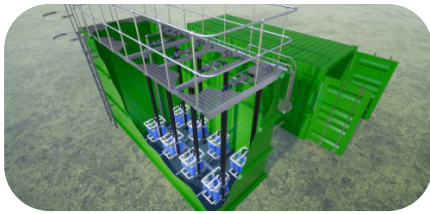
te-saf™ is an established and proven treatment process for the reduction of BOD, Suspended Solids and Ammonia with the versatility to be utilised as a roughing filter, carbonaceous or nitrification stage of the wastewater treatment process. Our te-saf™ technology comes in 4 standard sizes, treating a range of flow rates depending on biological demand.



te-cyc™ is a compact advanced cyclic activated sludge technology treating a wide range of flow and load requirements. te-cyc™ is an efficient biological treatment technology able to meet stringent phosphorous and nitrate treatment standards. Its unique and innovative decanter design ensures suspended solids performance is excellent, negating the need for additional tertiary treatment.



A package te-cyc™ solution is available to address nitrate and phosphorus concerns for commercial clients and developers. The standard modular units help developers achieve Nitrate Neutrality and come as a complete 'plug and play' system including aeration blowers, chemical dosing and local control panels for automated operation.



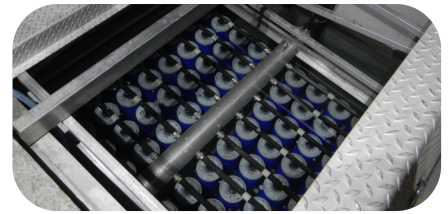
te-mbr™

te-mbr™ process combines the principles of activated sludge treatment and membrane filtration which uses a physical barrier to separate solids from treated effluent for municipal, industrial and commercial applications. The te-mbr™ process results in a high quality disinfected effluent which is available for immediate re-use or discharge to sensitive waters.



te-ro™

te-ro™ uses semi-permeable membranes under pressure to separate and remove particles and contaminants from water for commercial, industrial and municipal applications. Applications include demineralisation, process water, water treatment for re-use and leachate treatment.



te-mem™

te-mem™ is based upon the application of immersed organic hollow fibre membranes which are wrapped around a carrier inside a cartridge and arranged in bundles. The cartridge provides the required strength and protection for the hollow fibre membranes and allows the application of high pressure air scouring for high cleaning efficiency.



te-uv™

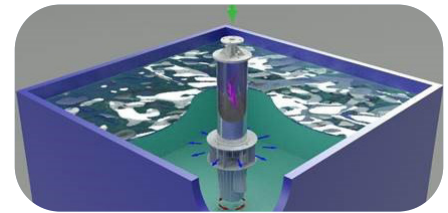
The containerised te-uv™ disinfection package is manufactured specifically for flows of up to 500m³/hr. Manufactured and assembled in house, it has been designed for projects where plant downtime and installation periods need to be kept to a minimum.



te-sewpas™

te-sewpas™ is a reliable, low cost and efficient desludging system for primary and final settlement tanks. Simplicity of operation and minimal operator intervention provides significant benefits compared to traditional manual desludging systems.

The te-sewpas™ desludging equipment is a self-contained unit which operates on the principle of an intermittent air lift.



te-ion™

te-ion™ is an advanced oxidation process for the effective treatment of water and wastewater. The te-ion™ process is suitable for different treatment applications including treatment to suppress sludge bulking, removal of trace substances, colour and emerging pollutants, providing effective disinfection of water and wastewater.



Compact



Cost Effective



DfMA



Resilient



Innovative



Sustainable



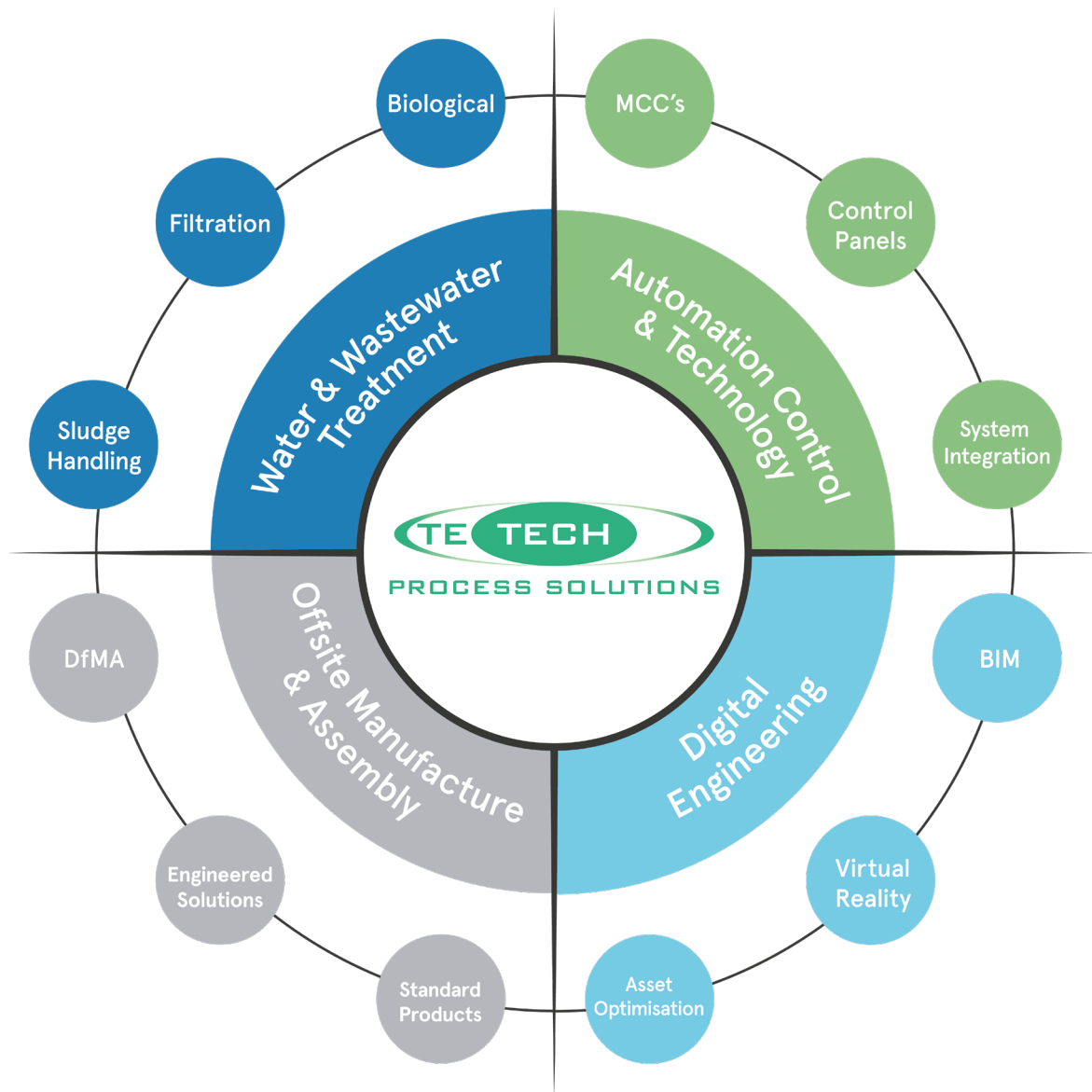
Flexible

**WATER &
WASTEWATER
TREATMENT**

**AUTOMATION
CONTROL &
TECHNOLOGY**

**DIGITAL
ENGINEERING**

**OFFSITE
MANUFACTURE
& ASSEMBLY**



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