ELASTYCHEM WATER

WE ENGINEER AND DELIVER WASTEWATER, POTABLE, PROCESS, AND INDUSTRIAL WATER TREATMENT SOLUTIONS TO SPECIFICATION

WHAT WE OFFER

Industrial and ProcessWater
- Reverse Osmosis
- Ion Exchange - Demineralisation and Condensate Polishing
- Continuous Electrodeionization
- Biological systems
- Dissolved Air Flotation
- Membrane separation and filtration
- Activated Carbon
- Equipment supplier

Potable water
- Conventional Clarification
- High-rate clarifiers
- Thickening
- Rapid Gravity and Pressure Filters
- Disinfection

Waste water
- Conventional activated sludge
- MBR
- MBBR
- IFAS
- Anaerobic Digestion
- Sludge Treatment

ABOUT ElastyChem WATER

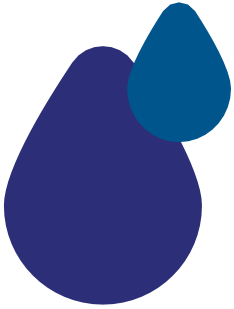
ElastyChem is an EPC (Engineering, Procurement & Construction) Company providing comprehensive solutions for water, wastewater & environmental technologies business.

ElastyChem Water aims to build a significant presence in select emerging markets, providing innovative yet proven solutions to bring transformative water infrastructure and engineering solutions.

Building on the successful record of the previous business structure, and in partnership with our global suppliers, we are confident that ElastyChem Water's skills and expertise will continue to provide quality solutions to our clients.

SERVICES

ElastyChem Water offers a wide range of processes, production and services utilised within the water industry, by creating solutions in a cost effective and environmentally responsible manner. We engineer and deliver wastewater, potable and industrial water treatment solutions to specification. Our solutions are geared to provide clients with a complete solution to include: operation and maintenance, Design, contracting on projects, supply of equipment as well as fabrication.



Operations and Maintenance

ElastyChem water, through its own workshop/manufacturing facility and in-house skills base, is able to provide Operation and Maintenance services during warranty periods on completion of all projects. This can also be extended to provide a service to clients once the plant has been handed over and is also offered as a service on existing plants where the client has a need for specialised Operation and Maintenance skills.

PROJECTS

All projects are executed in-house utilizing experienced project management teams who are competent not only in the project execution requirements but can advise our clients on the contractual and commercial aspects of such projects.

EQUIPMENT & AFTER SALES MARKET

ElastyChem Water will not only represent the hydronautics range of water and wastewater equipment but also will be representatives for specialised equipment that has shown technical and competitive advantage in this market.

FABRICATION

In order to maintain control on the quality of our supply, ElastyChem Water manufacture and assemble many critical items in our own workshop facility where quality can be monitored by our in house inspection team.

AREAS OF EXPERTISE

DESALINATION AND DEMINERALISATION

- Waste Water improvement, tertiary treatment
- Acid Mine Drainage

MEMBRANE AND PROCESS WATER SOLUTIONS

- Boiler Water Treatment
- CSP Water Treatment

WASTE WATER PLANTS

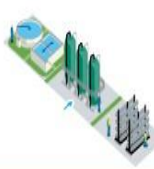
- Fixed media plant upgrade
- Conventional Activated Sludge Treatment

CHLORINATION

- Disinfection Plants

Water source	Process Water	Wastewater	Sludge & By-products
• Boreholes, groundwater or surface water intakes • Sea water • Alternative or emergency supplies • Groundwater remediation	• Physical-chemical treatment, clarification, filtration • Membrane technologies (UF – NF – RO) • Corrosion and biological control • Decarbonation • Ion exchange • Disinfection systems (Ozone,UV) • Electrodeionization • Recycling • Network management	• Flow separation • Physical-chemical treatments, clarification, filtration • Aerobic and anaerobic biological treatments • Biological systems • Membrane technologies • Wastewater reuse or Zero Liquid Discharge (ZLD) • Network management	• Reduction of sludge volume • In-situ treatment: digestion, dewatering, drying and incineration • Sludge disposal • By-products recovery • Oil recovery















CONTACT US

C +27 72 602 8928 - E Support@elastychem.co.za
17124 Dwesa Street, Philippi
CAPE TOWN, 7785