



Water solutions for this millennium

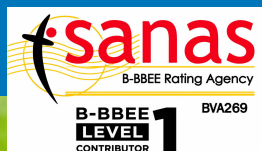
COMPANY PROFILE

"We don't inherit this earth from our forefathers; We borrow it from our children."

AQUATHANE

As a South African based company our strength presides in "solution based" consultancy delivering functional, adaptable & sustainable water treatment solutions through implementation of most suitable and best-in-class technologies. Our solutions are geared for the mining, agricultural and industrial sectors throughout the African continent. Aquathane's in-house capability and a network of strategic associations, enables us to offer solutions,

installing the best available technology to suit any project, with respect to INCOMING WATER and outgoing EFFLUENTS. Aquathane is a B-BBEE Level 1 company.



EFFLUENT & WASTE WATER TREATMENT

Industrial wastewater is generated in most manufacturing facilities, mining, energy and petrochemical companies who are aiming to decrease their liquid discharge into the environment. Aquathane is able to engineer and implement specific industrial wastewater treatment solutions for these industries: This benefits the environment and more importantly, helps companies repurpose large water volumes in their industrial processes.



SEWAGE TREATMENT

Sewage water treatment is typically split into four stages: Anaerobic, Anoxic, Aerobic and Separation. As a holistic water treatment company, we provide a complete solution to design, build, support and upgrade each treatment process, with the added advantage of complete plant solutions from a single supplier, tailored to suit your needs. Plant financing is available as a B.O.O.T. (build, own, operate, transfer) or P.P.P. (public-private partnership) compliance with all relevant discharge standards. (T&C's Apply)



LARGE-SCALE WATER TREATMENT

Aquathane designs, engineers, installs turnkey large-scale water treatment plants across Southern Africa. Our proven expertise is supported by an industry-leading portfolio of best-in-class treatment technologies, allowing us to build cost-effective, large-scale water treatment plants according to our customers' unique requirements.



WATER STORAGE SOLUTIONS

Our designs offer extreme strength and cost-effective storage of liquids. We call it a storage solution, due to the important function it may fulfil in today's situations, where municipal supply is not always a certainty.

A few applications, when a tank is more than a just a tank;

- Emergency buffer capacity for production purposes,
- Emergency Fire Water tank,
- Emergency Irrigation back-up
- Rain water storage tank

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WATER SOLUTIONS



UNDERGROUND WATER & SOLIDS HANDLING

Space is generally a constraint when it comes to underground applications, which contradicts the fact that settling technologies requires large surface areas to ensure reduced rise rates and subsequent fines carry-over. Aquathane have developed a unique and proven process capable of handling large volumetric flows, allowing for direct use of treated water at point of use (underground), without having to return water discharge to the surface for treatment. Our unique system remove both settleable as well as floatable contaminants, with a typical water turbidity's of below 5NTU's. The clients cleaning frequencies of storage facilities are considerably reduced, whilst solids with low moisture content can be conveyed or skipped to the surface.



THICKENER OPTIMISATION

We consult on optimising your polymer performance, in line with your process objectives. More importantly, we train your employees to effectively apply and control the application to ensure stable overflow clarities and consistent underflow densities.



DRY TAILINGS DISCHARGE

The tailings flow is normally thickened at the plant to recover water for reuse in the mineral processing stage and to prevent unnecessary discharge and reduce water management at the storage facility. Aquathane compile a solution utilising four distinct technologies to allow for dry discharge of low moisture tailings, whilst returning clean (below 5NTU) process water. This offers several benefits to our clients with respect to reducing their risk profiles on tailings facilities as well as the wear & tear of critical plant equipment.



ALTERNATIVE ENERGY SOLUTIONS

In association with Bellmall Energy, we develop alternative energy solutions ranging from 20MWe to 500MWe for commercial and industrial clients.

Benefit in signing with us....

- No capital investment required by our client and we make provision for maintenance for the duration of the off-take contract.
- All EPC and Funding aspects of the project are accommodated by Bellmall Energy.
- We design for redundancy, plus provide back-up generation to ensure security of supply on site.



AQUATHANE

Our commitment towards the environment lead us to offer a service whereby we focus at optimising potable water usage. We offer a strategy, which includes some of the following procedural steps:

- Information gathering and identification of suitable alternative sources
- Analysis by independent ISO 14000 Accredited Laboratories
- Monitoring and evaluations of current procedures
- Information verification
- Investigation and trial work on suitable technologies
- Capital feasibility studies
- Final implementation



AQUATHANE hosts a range of specialised products and innovations to add value to our client's project and process. To a metallurgist or engineer, they are valuable solution products that reduce downtime, improve production and ultimately improve the bottom line financial results.



AQUATHANE's prides ourselves on our trusted associations and partners, many whom are respected multi-national corporations.

We offer a turnkey solution, which offers unique benefits to our customer base. With the added benefit of communicating to only one of our project development specialists who will understand the complexity and develop a sound and viable project plan.



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