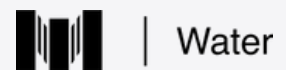


Innovative industrial solutions.

Mitigating hydro-economic impactors in industrial operations.

Minetek water management.



25+ countries. 500+ projects. Proven performance.



Minetek Water is a global industrial solutions provider with decades of experience in helping mining, power generation, oil & gas and other industry leaders achieve environmentally sustainable water management outcomes, enabling safe, compliant and profitable operations.

We've built vast experience in understanding the risks, impacts and opportunities of effective water circuit management in delivering critical safety, environmental and efficiency improvements for global industry leaders operating in some of the world's most challenging landscapes.

Minetek Water offers the world's largest and most cost-effective water evaporators which provide savings up to five times those of traditional water management methods. Our solutions are designed to reduce risk and potentially save lives, managing excess water in critical mining infrastructure and improving water quality management in outflow processes.

To date, more than 500 Minetek Water evaporator systems are operating globally, each helping industry leaders deliver safe and compliant operations. Our leading technology has enabled one of the most cost-effective wastewater and mine affected water removal systems in the world.

Versatile, flexible and modular in design and application, Minetek Water systems are proven in an extensive range of adverse conditions; from the harshest winters of Canada and the heavy tropical rainfall of the Congo, through the extreme aridness of Australia's north, Minetek Water has a solution to meet your needs.

Driven by deep analysis and an understanding of our clients' needs, we have developed a practical approach that delivers outstanding results in industrial water management. Our objectives are aligned with our clients' strategic needs as we aim to provide solutions which lower your costs while effectively managing water quality and quantity through environmental and site challenges.



Talk to us today about: mine dewatering, acid mine drainage, ash pond dewatering, legacy and mine closure, landfill and leachate water management, tailings water recovery, emergency flooding response, water quality analysis, evaporation performance modelling, plume modelling and analysis, automation and control, on-site pumps and turn-key projects.

Maximising resource management.



Mining.

A sustainable water management circuit is critical to maintaining long-term viable mining operations, used primarily for minerals processing, slurry transport, dust suppression and cooling processes.

The effective management of water within mining processes is critical to achieving operational efficiency, with hydro-economic impactors weighing heavily on the ability for global miners to achieve safety, profitability and sustainability objectives. Minetek Water understands the need to manage process and produced water throughout the lifecycle of a mine site to achieve true economic and environmental sustainability. We have developed a range of water evaporation and automated, integrated water quality management solutions to help mining operators meet the expectations of their stakeholders.

From excess water removal, ensuring the safe operation of potentially dangerous tailings dams, through to acid mine dewatering and the removal of toxic metals to improve the quality of water released back into the environment, Minetek Water has a solution to meet the strictest of regulations and satisfy operational and broader community expectations.



Minetek was commissioned by the QLD government to manage one of the largest polluting sites in Australia.

Water evaporated per day:

3,240m³

Minetek's Water Evaporator's allowed this state government to address the mine pit's water levels and reduce the risk associated with this legacy asset.

Driving operational excellence.



Oil & gas.

Oil & Gas operators accept that wastewater in upstream, midstream and downstream production processes is inevitable. Effective management of this key element is vital in controlling costs and maximising profitability.

Minetek Water has developed the world's most cost-effective water evaporation solution with the ability to efficiently manage produced water generated from oil field production, which is usually high in Total Dissolved Solids (TDS), including salt, grease and other compounds.

Designed to meet the particular challenges of oil field production, our modular land-based and floating/pontoon-based mechanical evaporation solutions provide an economical alternative to traditionally high disposal costs, reducing the need for storage and transport costs.

The result is an overall solution that reduces effluent levels and ultimately improves profitability, all while helping operators meet strict compliance and regulatory requirements.

'Our modular land-based and floating/pontoon-based mechanical evaporation solutions provide an economical alternative to traditionally high disposal costs, reducing the need for storage and transport costs.'

Managing produced water from oil production fields opens new opportunities for recycled water.

Proven capabilities.



Power generation.

As the world shifts away from coal-fired power stations to focus on alternative energy solutions, the requirement to remediate ash pond water storage infrastructure is growing.

Led by new guidelines from the United States Environmental Protection Agency (EPA), power utility owners are now aiming to remediate coal ash basins with dewatering and stabilisation of wet ash the priority.

Minetek has developed cost-effective land and floating/pontoon-based evaporation solutions, capable of efficiently disposing coal ash pond water and removing Coal Combustion Residuals (CCR) in the process.

With increasing requirements to sustainably manage excess water discharge and meet strict environmental guidelines and regulatory compliance, our Minetek Water team is expertly placed to partner with power generation clients to design, manufacture and implement a solution to meet specific needs.

'The requirement to remediate ash pond water storage infrastructure is growing. Minetek can help.'

Ash pond remediation is now a critical focus for utilities businesses around the world.



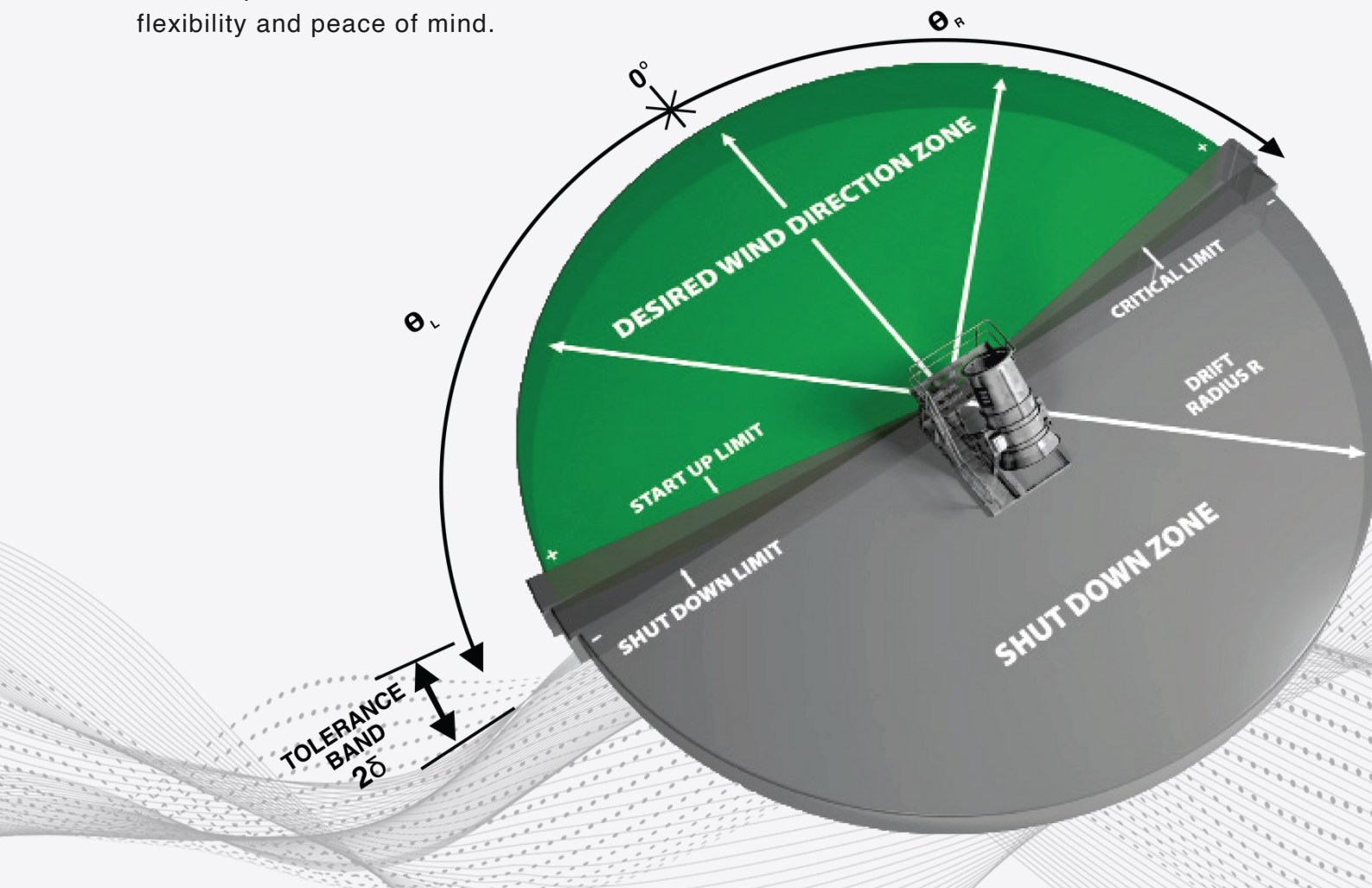
Autonomous operation enabling true optimisation.



Monitoring and responding to changes to environmental conditions in real-time allows operators to stay ahead of the curve.

To truly maximise the performance of our evaporators, Minetek's Environmental Management System (EMS) provides industrial leaders with autonomous control, delivering maximum efficiency. Minetek's EMS enables clients to automatically start up and shut down the evaporation system based on set environmental and operating parameters. Communicating wirelessly via a remote PLC, this intelligent and adaptable solution provides our clients with flexibility and peace of mind.

When switched to fully automatic mode, the system is governed by a weather station which optimises operation according to a broad range of adjustable parameters including; optimum sun up/down times, relative wind speed and direction, humidity and temperature, system water flow and pressure. The EMS then logs all operating times and condition data for further optimisation to deliver improved operating efficiency.



Unmatched experience across industries.



With over 30 years' experience in delivering water projects around the world, we have developed a range of products and services which enable the cost-effective and environmentally sustainable management of industrial process and produced water.

We understand the potential environmental and economic impacts of both planned and unplanned water events and have built extensive capability in both planning for and responding to water management challenges across industry.

Minetek Water has the proven ability to support industries as they meet a broad array of short and long-term water management challenges; including emergency flood response from heavy rainfall or containment failures through to landfill and site remediation projects.

Over three decades we have become the expert in the processing of any type of water quality including acid water, saline and caustic water, with our evaporation technology.

Talk to our team today about your next water evaporation or water quality management project. We can assist in building a complete solution for:

- ✓ Mine dewatering
- ✓ Ash pond dewatering
- ✓ Tailings water recovery
- ✓ Acid mine drainage
- ✓ Industrial water management applications





For more information on how we can support your water management solutions in the mining, oil & gas, power generation or other commercial industry, please contact us.

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Is part of the Minetek Group whitepaper series. For more information on our water, sound, air and power solutions visit www.minetek.com.

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