



WATER TECHNOLOGIES

Engineered Solutions for Industries' Toughest Water Challenges



Water is a critical enabler of heavy industry — but also one of its most complex challenges. From PFAS contamination at airports to wastewater in tunnelling projects, industrial water streams are becoming harder to treat, reuse, and discharge responsibly.

SciDev is dedicated to solving these challenges. We design, build, and operate advanced treatment systems that combine engineering with proprietary processes. Our solutions deliver compliance, reliability, and water reuse — even in the most demanding conditions.

Our Capabilities

Our tailored water treatment solutions are designed to meet specific site, regulatory, and operational requirements, supported by proven technologies that integrate seamlessly into existing processes. Built to achieve strict regulatory compliance while maximising sustainability and efficiency, our systems reduce waste, promote water reuse, and lower lifecycle costs.

Our capabilities include:

Water sourcing

Sourcing, treating, and reusing water from a range of alternative supplies, including sewer mining, rainwater harvesting, stormwater, bore water, and tertiary water. Our water sourcing solutions help reduce reliance on potable water, improve water security, and support sustainable site operations.

Groundwater Dewatering

Managing groundwater inflows for construction, mining, and civil projects. Our solutions control water levels, prevent site flooding, and enable safe, compliant dewatering.

Remediation

Providing sustainable, cost-effective innovations to repair our natural environments through sustainable remediation of contaminated water.

Water Treatment

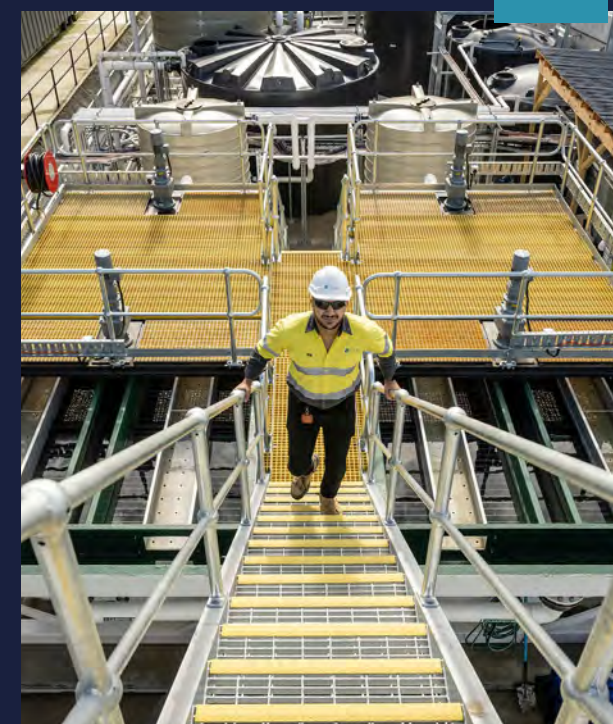
Designing and operating water treatment plants to treat surface water, stormwater, and industrial wastewater. Our solutions combine engineering expertise with proprietary technologies to achieve regulatory compliance, operational reliability, and water reuse.

Liquid Waste Management

Treating and safely discharging or reusing industrial liquid waste streams. Our systems reduce environmental impact, maximise resource recovery, and integrate seamlessly into existing site operations.

PFAS Treatment

Addressing complex per- and polyfluoroalkyl substances (PFAS) contamination using FluorofIX® and RegenIX™ technologies. We remove both long- and short-chain PFAS to below reportable limits, minimising waste while ensuring sustainable and cost-effective remediation.



SciDev offers flexible delivery methods tailored to each client's needs, including turnkey design and construction of customised treatment systems, operation and maintenance services for ongoing performance, and modular or mobile plants for rapid deployment in temporary or remote projects, providing practical solutions for even the most complex contaminant challenges.



Our Proprietary Technologies

SciDev’s industrial-scale water treatment solutions address complex contamination challenges across mining, infrastructure, government, and defence projects. Our core technologies include:

Fluorofix®

Proprietary PFAS water treatment technology for the removal of PFAS from industrial and contaminated waste streams. Fluorofix® removes both long-chain and short-chain PFAS molecules to below reportable limits while generating minimal waste.

RegenIX™

RegenIX™ is SciDev’s proprietary ion exchange resin regeneration technology, designed to extend the life of PFAS treatment systems while reducing waste and operational costs. RegenIX™ ensures consistent, reliable PFAS removal at an industrial scale, supporting sustainable and cost-effective water treatment operations.

HydralIQ™

HydralIQ™ is SciDev’s real-time water quality monitoring system, providing continuous data on turbidity, pH, dissolved oxygen, pH levels, oxidation-reduction potential, conductivity, algae, temperature and other critical parameters. With secure cloud-based reporting, automated alerts and remote monitoring, HydralIQ™ helps operators detect issues early, reduce manual sampling, and maintain regulatory compliance efficiently, even in remote or hard-to-access sites.

HydraCool™

HydraCool™ is an integrated water treatment, reuse, and recycling system purpose-built for data centre cooling. It combines alternative water sourcing, advanced treatment, recycling, reuse and monitoring to deliver high-quality cooling water while reducing environmental impact and dependence on potable supplies.



Reliable, Compliant,
Sustainable.



Industries We Serve

We deliver innovative water treatment technologies that solve complex contamination issues across multiple industries, including:



Data Centres

Improving the reliability and sustainability of data centre design, construction, and operations through recycling and water-reuse solutions.



Mining and Resources

Reducing water consumption and treating and recycling contaminated water streams.



Infrastructure and Construction

Temporary and permanent water treatment solutions that deliver compliant discharge during tunnelling, road, and civil projects.



Water

Supporting the water sector in supply, treat, and manage resources, including wastewater treatment, water reuse, and removal of harmful contaminants from natural water bodies.



Government

Package drinking water and water treatment solutions to overcome drought relief, weather events and water security challenges.



Defence

Water treatment for airports, military bases, and contaminated land sites.



Why SciDev?

Scalable Solutions

From small remediation projects to large scale permanent plants.

Market Leading Technology

Tested on more than eight billion litres of PFAS contaminated water world-wide.

Industry Expertise

Deep understanding of mining, construction, government and defence requirements.

Commercial Value

Lowering operating costs through reuse, recycling, and reduced waste.

Trusted Delivery Partner

Proven track record of compliance, performance, and innovation.

Design and Performance Guarantees

Unmatched by the market.

Practical solutions helping
clients to recycle, reuse
and manage water.



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