

commercial & industrial

the benefits of DELTA technology



100% Australian PRODUCT

Efficiencies and bottom-line accountability underpin government and commercial sectors' ability, at all levels, to provide quality service. In these sectors, DELTAwater Solutions and its water treatment technology excels.

Prisons, aged care facilities, public housing, restaurants, hospitals, office buildings, cafes, shopping centres and town water supplies all require efficient water systems to ensure that resources are not wasted.

Boilers, heat exchangers, air conditioners, sterilisers and commercial coffee machines – the list of uses for the DELTA water treatment technology in government and commercial sectors is endless.

The results that DELTA water treatment technology is achieving and the reductions in operational costs for these sectors are a testament to the quality of this 100% Australian and environmentally-friendly product.

"The centre's unit has gone way beyond our expectations and continues to do so. For us, it's money in the bank. And I'd say to anyone who is running a commercial property, well, you can't be without one. That's how important they are."

Ross Kerle, head maintenance plumber, Maryborough Correctional Centre (see overleaf for full story)

CASE STUDY

A Victoria-wide program to find different ways to access and use scant water supplies for greyhound racing has unearthed technology capturing international attention. Greyhound Racing Victoria, in challenging its clubs to provide ideas to ease water supply and quality issues across the state, has added DELTA water treatment technology to its cache.

GRV Western Victorian club Horsham has been so impressed with results from the DELTAwater solutions water treatment technology in combating salinity problems, that it has forwarded details to racing headquarters in Melbourne.

Horsham club secretary-manager Jeff Sprunt said access to water was essential in maintaining and preparing greyhound tracks and GRV was determined to gather as many ideas it could.

"Because all 13 tracks are sand-based and are best for greyhound racing when moist, Greyhound Racing Victoria is looking at what clubs are doing to save or use water and asking for reviews," Mr Sprunt said.

"There are water-recycling systems at both Sandown and Meadows tracks and four clubs have installed desalination plants. Others have established catchment dams in the middle of their tracks, some are using infrastructure to capture rain to store in additional tanks. Some have gone down the track of using bore water.

"We have access to a saline bore which when used on its own creates rust problems for anything made of steel on our track. So for us it was about finding a solution to water-quality problems."

After water-quality assessment and simple clamp-on installation of a DELTA conditioner, the club was soon recording impressive results. "It was very simple and something to consider if anyone has circumstances similar to ours," Mr Sprunt said.



Greyhounds fly down the final straight during a Horsham Greyhound Racing Club meeting at Horsham Showground. Rust is clearly visible on the edges of the yellow running rail.

Picture by Kate Healy, courtesy of Wimmera Mail-Times

Products: 100% Australian designed and manufactured water treatment technology solving common water quality problems such as scale, salinity, iron and corrosion. DELTA products meet a diverse range of applications from single point domestic systems through to complex commercial water treatment systems.

Services: DELTA's in-depth advisory service underpins the water treatment system for specific applications. We test our water samples under laboratory conditions, finding problems associated with calcium-magnesium mineral scale, hard water, iron, salinity, algae and corrosion. Test results ensure that our customer service manager and manufacturing department can provide water treatment recommendations for your specific problem; then supply a product to suit your needs or custom-design one for you.

CASE STUDY

Environmentally-friendly technology expected to save prison maintenance \$1 million

The head maintenance plumber at a Queensland prison says the water treatment technology of 100% Australian company DELTAwater Solutions paid for itself within six months of installation.

Ross Kerle of Maryborough Correctional Centre says his team used to spend hours each week maintaining pipes corroded by water rich in minerals such as calcium and magnesium.

They fitted the innovative firm's technology to the 100mm feed that carries water supply to the prison in a desperate bid to solve their costly maintenance problem.

It's a decision that's paid off, with scale and corrosion in pipes now virtually non-existent thanks to the DELTA technology.

For more than six years the correctional centre's maintenance staff constantly fixed pitted pipes and blocked valves in the 500-bed centre's water supply system. They received daily phone calls from the prison's kitchen when the water damaged elements on the fleet of big Rational Combi Ovens. And they replaced filters fortnightly to try and keep those vital steam-cooking ovens running smoothly.

"But the DELTA technology has reduced our maintenance something vicious and the cost savings are astronomical dollar-wise," Ross says.

"Take the kitchen; we weren't even getting two weeks out of some filters and now, after the installation of our DELTA, we're getting four or five months out of them. It's just saved thousands and thousands of dollars.

I think over a 10-year period we'd be heading towards a million dollars saved in maintenance." Ross says his team also used to spend hours weekly flushing sludge from the heat exchanges of vacuum pumps controlling the centre's sewerage system.

Now, thanks to the DELTA water treatment technology, the exchanges are basically spotless and maintenance free. The DELTA also comes up trumps in the centre's dental clinic, making its reverse osmosis machine much more efficient.

"Our high calcium and magnesium content in the water attracts other minerals to the iron, they'd settle in the pipes and eat through them," Ross says. "But going through these magnetic ionisers frees these minerals up, stops the iron being positively charged and allows it all to flow through the pipes and lets the filters do their jobs. You could say it's like grains of sand now compared to big rocks."

And it's not just the plumbers who are happy with the totally maintenance-free DELTA unit. Ross reckons the prisoners have stopped complaining about water quality too.

"We've had prisoners who've been inside long term, 20-plus years, coming up and telling us it's the best water they've ever drunk," Ross says.

Ross applauds Corrective Services officials for backing this Australian technology. He says officials are now looking to automatically install DELTAwater solutions' water treatment system in any new prison built in the state or into existing centres with water quality issues.

Ross is so impressed by the results he's witnessed first-hand at the correctional centre that he's installed a DELTA unit at his own home.