



AUSTRALIA'S MOST EXPERIENCED
SWIMMING POOL BUILDER

CRYSTAL POOLS



Renovated 50 years after its initial construction

A testament to the durability of a concrete construction and the expertise of Crystal Pools

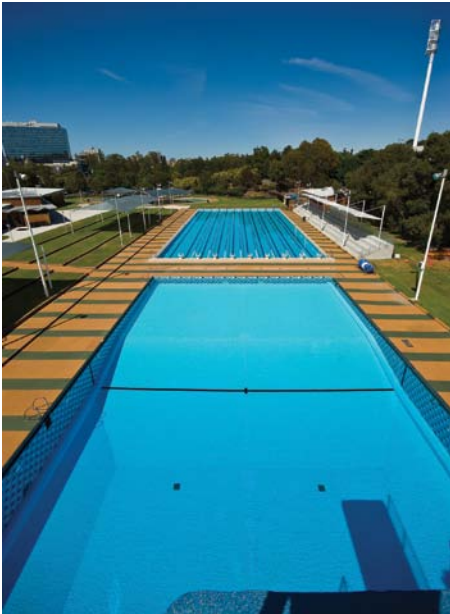
Arguably very few commercial pool builders in the world (if any), can boast of having renovated a substantial outdoor aquatic centre some 50 years after having first constructed it.

The **Parramatta War Memorial Swimming Centre** was first built by Crystal Pools in 1958. In 2008 the program pool, kid's pool and dive pool were renovated and a new larger 10 lane 50m pool was constructed to bring the facility into modern day best practice.

The project management team at Parramatta City Council are to be congratulated for their aquatic vision and their sound decision making processes. Like many other councils faced with a similar dilemma, Parramatta City could well have ignored early symptoms and issues by adopting a "do nothing" approach. However, as proven by other projects, this would have been a short-sighted decision that simply postpones the inevitable and invites external intervention. With some five different water bodies and a total water volume 4,000,000 litres, Council's complex design requirements were expertly processed by an accredited Aquatics Engineer/Consultant.

This particular case history confirms many vital issues:

- Formed and poured concrete pool structures are proven capable of providing a 50 year service life.
- With a certainty that only comes with experience, Crystal Pools demonstrated ability to competitively price both small and large scale projects.
- Under the management of an accredited and competent Head Contractor, Crystal Pools comfortably and confidently provide their services as part of a committed project management team.
- Crystal Pools are receptive and respectful of good aquatic design made available by others.
- Just because your pool is old it doesn't necessarily mean it has outlived its useful service life. A well-planned renovation and plant upgrade will have significant impact on pool patronage, compliance with current standards, public safety, operating cost and above all the future viability of being able to deliver a valuable and critical community service.
- This project tangibly demonstrates why Crystal Pools has been at the forefront of swimming pool construction since 1957.



POOL AND PLANT DETAILS

Re-Opening Date	September 2008	
Principal	Parramatta City Council	
Aquatics Engineer/Consultant	Stevenson & Associates	
Head Contractor	Ichor Constructions Pty Ltd	
Pool Builder/Pool Renovator	Crystal Pools Pty Ltd	
PWT Subcontractor	Trisley Hydraulic Services Pty Ltd	
Outdoor Pool Description	<ul style="list-style-type: none"> • 10 Lane 50m Pool – 460m² • Dive pool – 364m² • Freeform Kids Pool – 322m² • Wading Pool • Slide Catch Pool 69m² 	
Total Pool Surface (m²)	2,365 (Formal 1610m ² + Leisure 755m ²)	
Pool Volume (m³)	4,063 (Formal 3595m ³ + Leisure 468m ³)	
Pool Filtration	Formal Pools	Leisure Pools
	Chadson - 4 x MHS7000 Chadson - 2 x MHS7250	Atlas® Precoat 2 x PCT460
Water Treatment	Sodium Hypochlorite & Carbon Dioxide Gas	

POINTS OF INTEREST

APPROXIMATE AQUATIC COSTS: \$3.27 million

FILTRATION METHOD: Chadson granular sand filters were used for both formal pools, whilst the existing high-risk/smaller pools were equipped with Atlas® Regenerative Precoat Pressure filters which provided; protection against chlorine resistant pathogens, low washwater consumption and outstanding water clarity.




PROJECT DELIVERY METHOD: Whilst a traditional Head Contract is often unavoidable when significant general building work is required, the pool requirements should be identified as a critical subcontract. The use of NOMINATED SUBCONTRACT is strongly recommended on the basis of permitting the Principal's direct involvement with the decision making process.

CHALLENGES: Pool renovation and plant upgrades are always far more challenging than a new construction. In part this is due to the need to consider options that balance modern requirements with the existing infrastructure and a workable cost-plan.



This case study is one of hundreds of major commercial pool projects successfully delivered by Crystal Pools. Since 1957 they've made it a point of integrity to share knowledge, giving open advice to all enquiries. So at any stage in your pool project (any size, any type, new pools or renovations, a plant upgrade or a technical question) Crystal Pools are the master pool builders you can talk to.

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