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Environmentally adaptable tanks find new ways to fit tricky spaces in star-rated factories and offices

NEW generation industrial and commercial buildings are under increasing pressure to find space for the many environmentally harmonious technologies expected of them, including wastewater processing and recycling tanks.

One company that has demonstrated innovative thinking in such situations is the Tasman Tank Company, which not only produces tanks in traditional shapes, but also engineers them to fit around columns and other obstacles and awkward shapes so as to optimise use of available space.

With limited access, limited roof height, plus a number of building support columns to contend with, a client's recent desire to store 100kL of water in a building basement demanded some innovative thinking and the use of some innovative technology.

The project, in the centre of Adelaide's CBD in a 5-star environmentally rated new building, called for the storage of potable and non-potable water, including fire and rain water, in the car park basement of the commercial premises.

Tasman Tank's Ross Edwards, who specialises in major projects, said because of the complexity of the construction, a bolted industrial tank option was successfully used to take advantage of the limited space available and to maximise the storage volume required.

"We successfully installed our new generation TS250 and TS185 models of heavy duty bolted tanks. On the sprinkler tank in the basement for example, we internally coated the panels with a two-pack epoxy coating to extend the life expectancy of the tank material without going to the more expensive Stainless Steel version," Mr Edwards said.

Because of the high quality of the tank material, Tasman Tanks was able to offer the client a 10-year warranty on the tank structure, well above industry standard. "Plus the tanks have a 25-year design life, subject to regular tank maintenance being maintained," Mr Edwards said.

"Our bolted steel tanks were ideal for this difficult project, due to their flexibility and speed of construction. The client was impressed with the high quality of the job, Tasman Tanks' professionalism and the swiftness of the completion of the project. We actually successfully constructed the tank inside two weeks."

He said the company had used this very flexible tanking system in a number of difficult situations - "Just recently, for example, we completed a 1.1mL tank inside an existing warehouse. It was constructed around a building column 6.8 metres high.

He said companies who have difficult locations to contend with should talk to experts in this area - "Tasman Tanks recognises that commitment to innovative and cost-efficient design with a quality product is key to customer satisfaction.

"We strive to achieve this by designing and manufacturing in-house. We pride ourselves on our diverse range of quality products and our field installation capabilities, therefore being able to offer clients the best possible results for their specific tank requirements," Mr Edwards explained.

"Another major factor giving impetus to the adoption of bolted construction throughout Australasia is suitability and speed in remote and climatically challenging areas.

“Bolted site construction allows for control of all quality processes in good or bad weather. It is not subject to uncontrolled factors from outside influences, which in the case of non-steel tanks can impact upon mixtures specifications and joint connections,” Mr Edwards said.

Tasman Tank Co is a recognised leader in the quality tank building industry, with in-house design, manufacture and installation expertise for prompt and professional performance.

Each Tasman Tank is certified to all relevant codes, with independent engineers providing verification of specifications and performance.

The company provides cost-effective storage solution in capacities from kilolitres (KL) to 30 megalitres (ML).

Tasman Tank Co also specializes in turnkey projects and service and refurbishment work through its dedicated Service and Refurbishment Division. For sales phone 1800 826 526 or (NZ) 0800 826 526 email sales@tasmantanks.com.au, www.tasmantanks.com.au

For further information, please contact Jason McLauchlan, General Manager, Tasman Tank Co, 61-2-9831 1444, fax 61-2-9831 1422, Jason@tasmantanks.com.au

Media enquiries to Whyte Public Relations on +61 2 9439-9329 or whyte@bigpond.com.