



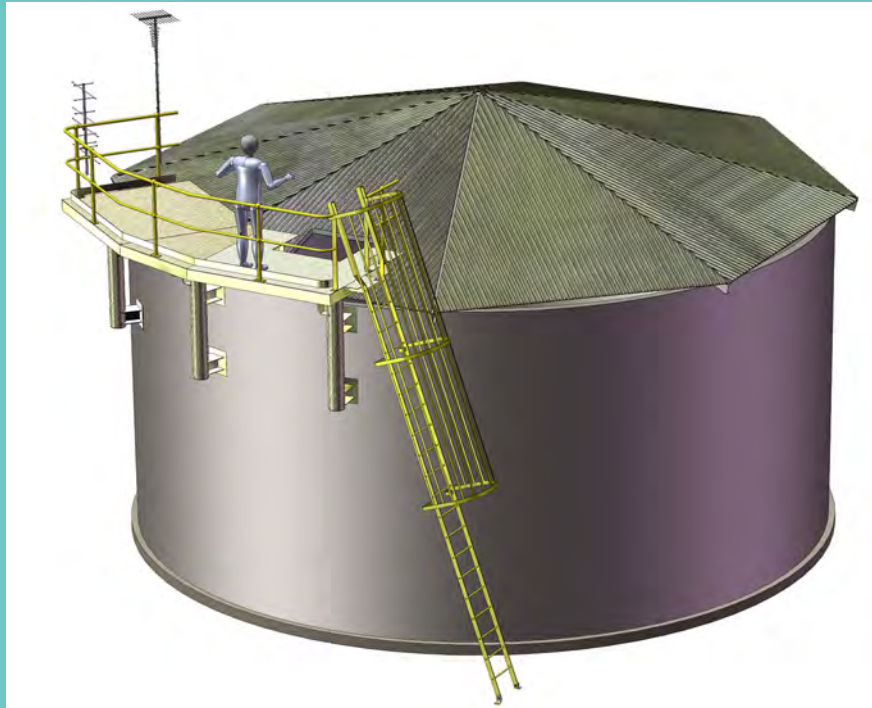
ADDITIONAL SKILLS AND SERVICES INCLUDE

Concept designs to renovate the storage after water quality issues have been identified.

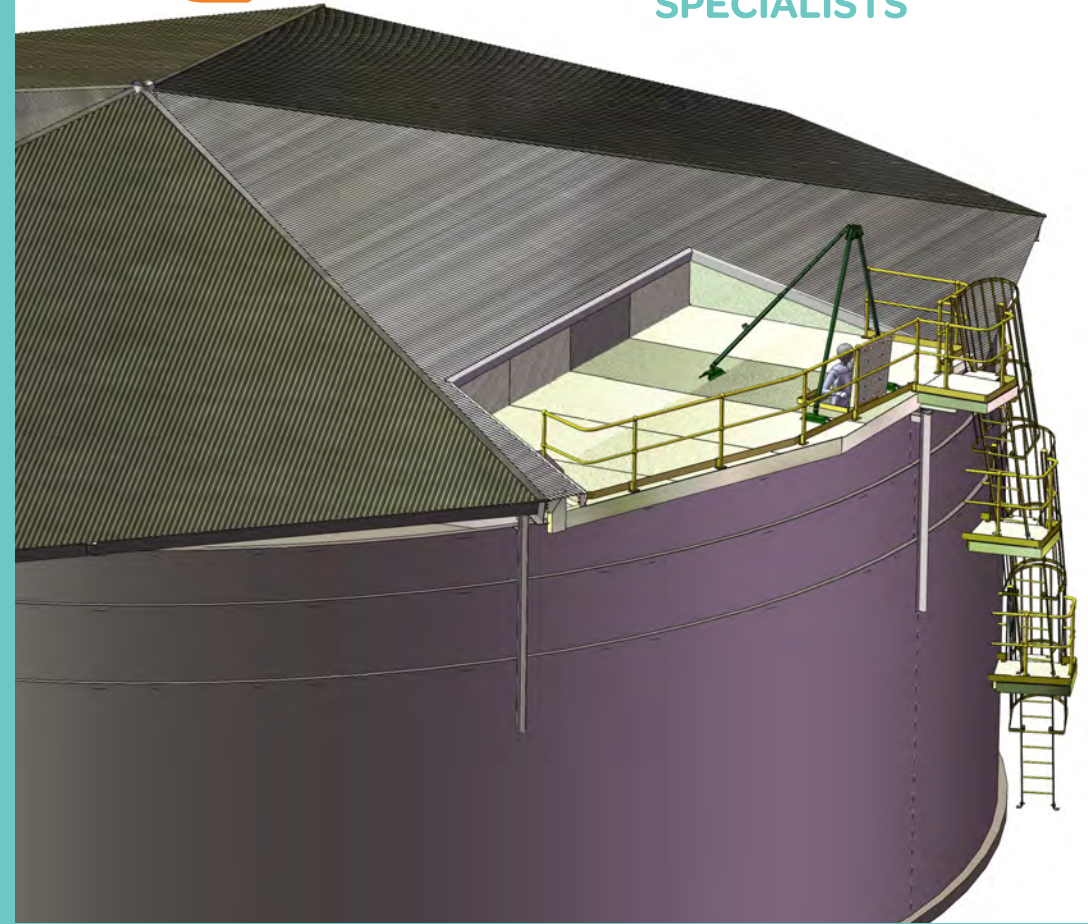
Carbonation and Chloride testing of concrete structures, to predict remaining life spans.

Peer review of plans for upgrades or new constructions, based on 21 years of practical, on site experience.

Facilitating training workshops on inspection program results to managers and field staff operatives.



RESERVOIR MAINTENANCE SPECIALISTS



WATER STORAGE TANK INSPECTIONS

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WATER STORAGE TANK INSPECTIONS

'If it has not been measured, it can't be managed'

While Service Reservoir cleaning has been a regular and reliable activity in the past, industry is now recognising the importance of conducting good quality asset inspections on a regular basis. This allows clients to develop an understanding of what they thought was out there and what needs to be planned to rectify any defects and risks that may exist. The preconceived idea of "if we don't look, we won't find anything" can leave asset owners dealing with a water quality incident or structural failure.

Inspecting a simple structure or a more detailed asset, requires core skills and industry based knowledge to ensure accurate and cost effective outcomes - these include:

1. Understanding of the tank and its environment that is being inspected – its materials, its operational aspects and its maintenance requirements.
2. Good photography to illustrate the inspection process and the ability to describe the condition and the issues identified.
3. Recognising 'the evidence' present, and early warning signs that are relevant to the inspection scope.
4. Consistency in reporting outcomes, when inspecting multiple assets.
5. Having the writing skills to present clear, concise and technical level documentation of the inspection process so that outcomes are identifiable and relevant to the client.
6. Using an 'online' data management system to present the results in a variety of different reports that focus on areas such as Water Quality, Structural, Security and WH&S.



With over 6650 water storage tanks inspected to date, Aqualift have decided to focus our experiences into this necessary asset management requirement. Our ASAM software provides the ability to search for results, generate reports, view images and manage projects identified throughout the inspection process.

Clients can also become involved with the ongoing data management by using the online editing facilities to update their assets as they are maintained or renovated. This allows for long term information capture to be made available for the next generation of water professionals.

INSPECTIONS CAN BE CARRIED OUT AT THREE LEVELS TO SUIT CLIENT BUDGETS AND MAINTENANCE REQUIREMENTS.

LEVEL 1

is based on risk management principles such as security, water quality, WH&S and external structural issues. Limited internal features above the water surface, as viewed from the inside ladder are also included. This can involve roof framing, water line debris evidence and vent mesh integrity.

LEVEL 2

is a complete asset inspection service. It offers the Level 1 inspection combined with a more detailed internal inspection by diving or ROV. This captures sediment depth and type, protective coating condition, pipework configurations and leak detection issues.

LEVEL 3

is an additional support service to take a structural engineer inside the tank to carry out a more detailed assessment of the under roof structure for longer term replacement planning. We work closely with the nominated professional to keep them safe and aware of the important issues, based on our own experiences in this particular discipline.

