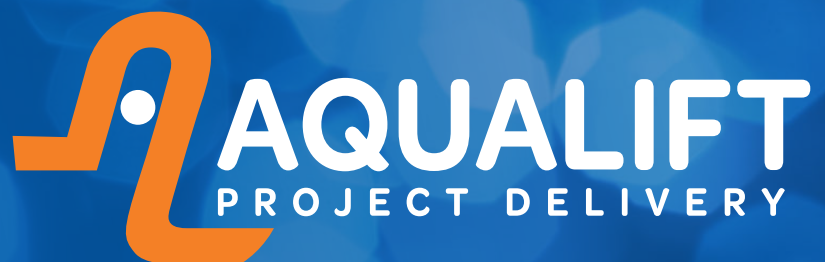


A 3D architectural rendering of a platform renovation project. The scene shows a concrete platform with a corrugated metal roof. A worker, represented by a grey figure, is positioned on the platform, working on a section of the roof. The platform is enclosed by yellow safety railings. A green structural frame is visible, supporting the roof. The background shows a wooded area with trees and foliage.

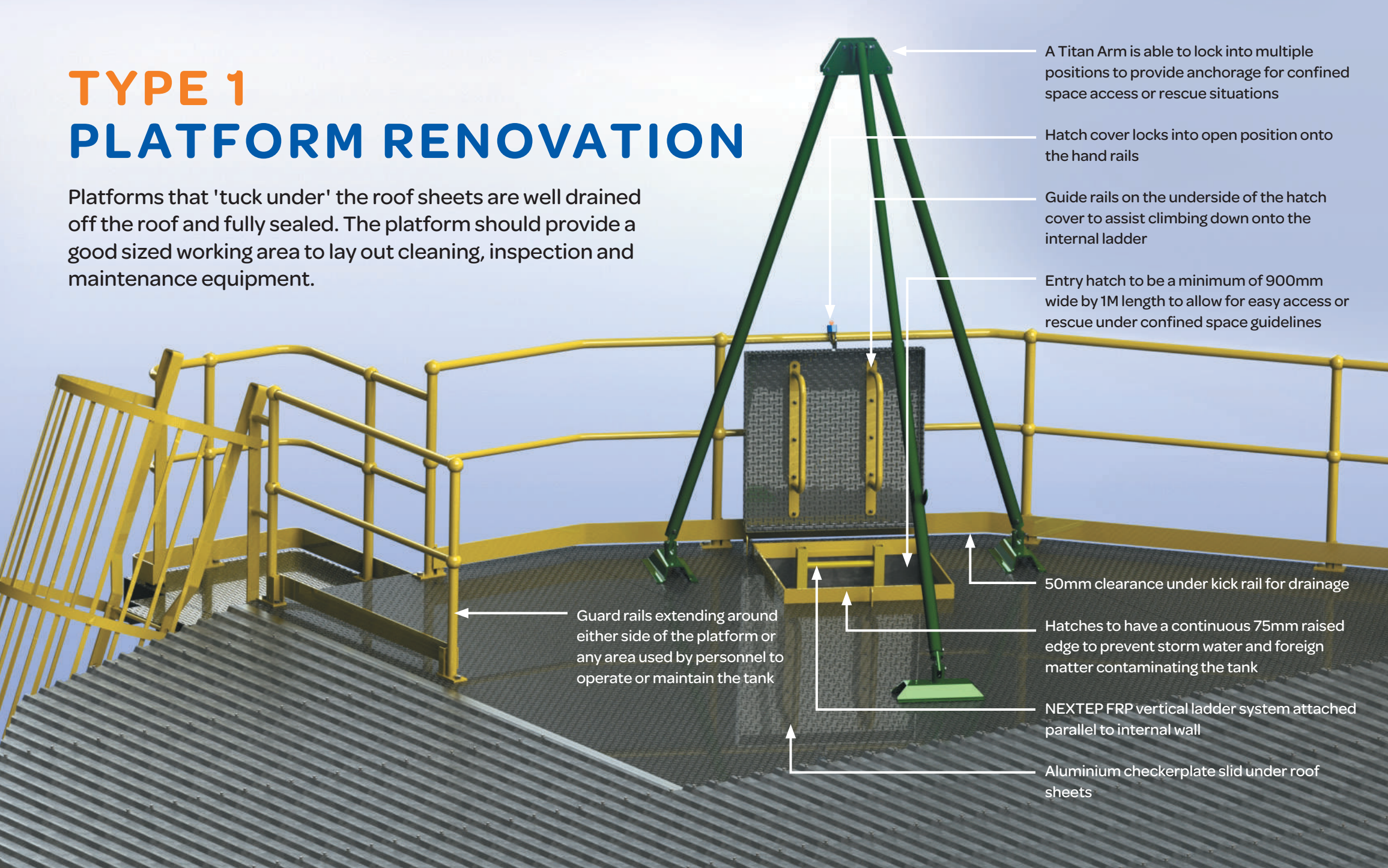
PLATFORM RENOVATIONS



RESERVOIR
MAINTENANCE
SPECIALISTS

TYPE 1 PLATFORM RENOVATION

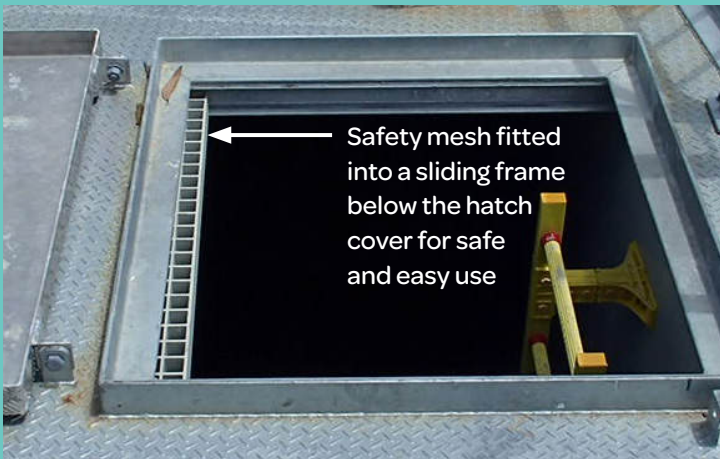
Platforms that 'tuck under' the roof sheets are well drained off the roof and fully sealed. The platform should provide a good sized working area to lay out cleaning, inspection and maintenance equipment.



- A Titan Arm is able to lock into multiple positions to provide anchorage for confined space access or rescue situations
- Hatch cover locks into open position onto the hand rails
- Guide rails on the underside of the hatch cover to assist climbing down onto the internal ladder
- Entry hatch to be a minimum of 900mm wide by 1M length to allow for easy access or rescue under confined space guidelines

Guard rails extending around either side of the platform or any area used by personnel to operate or maintain the tank

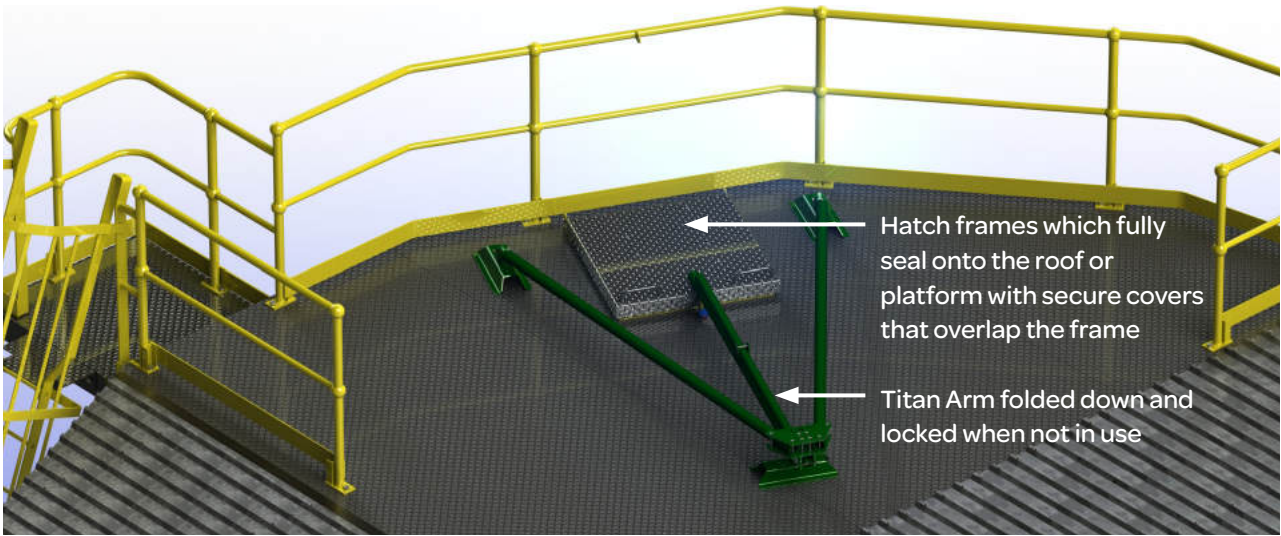
- 50mm clearance under kick rail for drainage
- Hatches to have a continuous 75mm raised edge to prevent storm water and foreign matter contaminating the tank
- NEXTEP FRP vertical ladder system attached parallel to internal wall
- Aluminium checkerplate slid under roof sheets



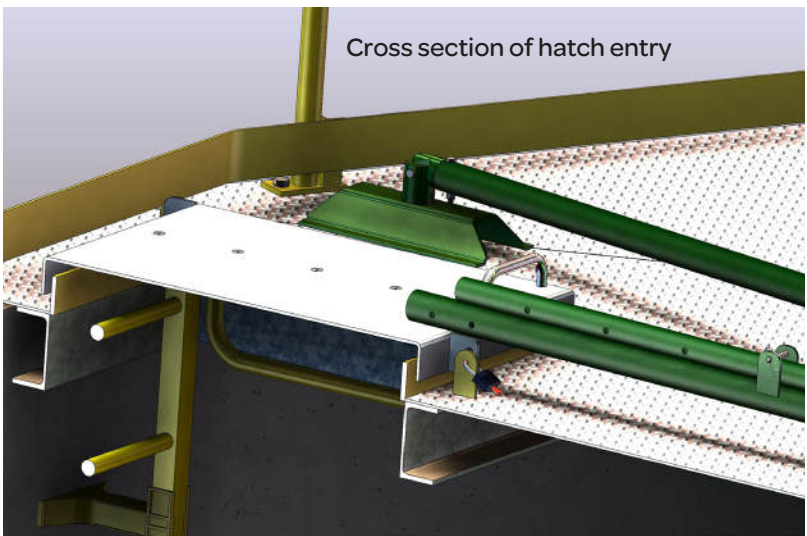
Safety mesh fitted into a sliding frame below the hatch cover for safe and easy use

TYPE 2 RENOVATION

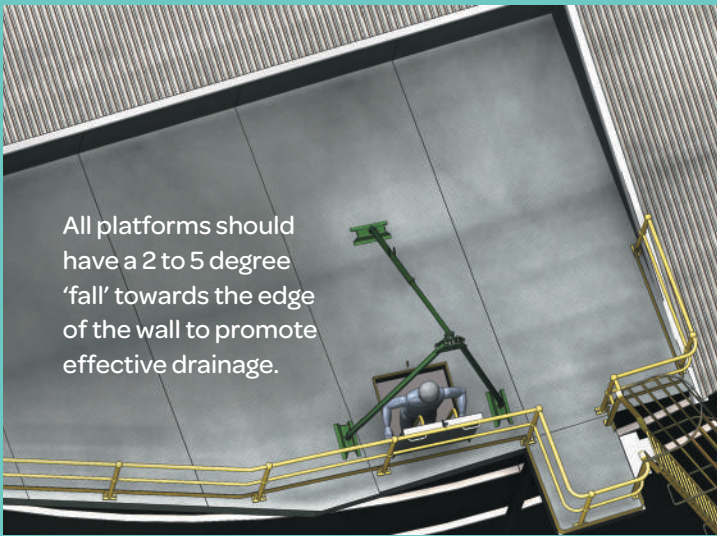
Platforms that 'cut into' the reservoir roof have all the safety and drainage features of Type 1 platform renovations.



- Hatch frames which fully seal onto the roof or platform with secure covers that overlap the frame
- Titan Arm folded down and locked when not in use



Cross section of hatch entry



All platforms should have a 2 to 5 degree 'fall' towards the edge of the wall to promote effective drainage.



The first method is using a clean bucket and rope to obtain water from the tank and then pour it around any areas that should be sealed, such as platform edges, hatch frames and any fixtures set onto the roof area. And then look (and listen) inside the tank to see or hear any water ingress.

AQUALIFT BUCKET OF WATER TEST

Several methods of verifying how well tanks are sealed against contamination entry are now available to clients, contractors and asset inspectors.

Contamination entry into drinking water is not always obvious to the untrained eye and it is important to identify issues taking place before a 'boiled water alert' is issued.

While older tank hatches, platforms and roof structures will always have to be suspected, most new constructions are assumed to be OK...because they are new! Many clients have been surprised... and disappointed to see water draining past supposedly 'newly sealed areas'.



The second method will appeal to the technology minded person, as it involves 'The Cloud'.

This test requires protective equipment to be worn, as it involves... standing out in the rain (the original cloud technology) and watching all that natural water, mixed with contaminants draining back into all sorts of 'un-guessed at' places!



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