



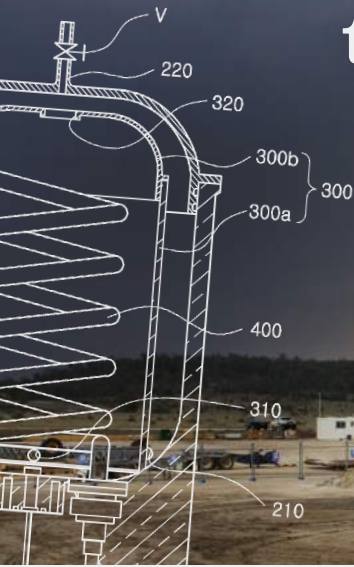
1800 422 444 • info@atmtanks.com.au



**Over 20 years industry
experience and 100%
Australian owned.**



We're proud to deliver our tanks on time, in full and within budget.



Storage Capacity

Panel Round tanks are the most cost effective method of storing most non-hazardous liquids from 80,000 to 10,000,000 Litres. For tanks smaller than 80KL it is usually cost and time effective to install a couple of small GRP tanks with a similar design life as lower spec panel tanks (described in the following paragraph). There are very few tanks, panel or modular, built for more than 10 Mega litres (10 million litres). At this capacity design life becomes a limiting factor. Many larger tanks are designed for council drinking water reservoirs or oil storage tanks and are specified to last between 50 to 100 years.

The Price

The unique quality in panel tanks is evident when comparing their cost to concrete and welded steel tanks. One can expect to spend from 100% to 500% more on a concrete or welded steel tank than on a panel tank. When an oil processing plant in Western Australia required a 250,000 litre fire tank they originally preferred welded steel due to its design life. However when the budget came back at just shy of \$1,000,000.00 they explored alternatives and selected a high spec panel tank with all the upgrades for \$220,000.00.

Design Life

Most tanks over 10 Mega litres are concrete or welded steel for one reason; they need to achieve a design life of 50 to 100 years. Panel tanks are extremely versatile, and by selecting 'modifications' and other options, the design life can be extended from 25 years to 50 years. It's important to note that the price of the tank increases depending on its specifications. Like a car, and unlike all other tanks, a panel tank has the benefit of being like a Mecca-no set—meaning you have options to easily bolt on, add, remove, and modify all components in them including stairs, ladders, fittings, roofs, manholes and even change the waterproofing. What this means is that you could purchase a cost effective panel tank with a design life of 25 years, then at 20 years you could upgrade it to a 50

year design life by modifying the roof and waterproofing. A very useful feature for mines, councils and large construction firms is the fact that a panel tank company can pull down a 10 mega litre tank within a week and then rebuild it on the other side of Australia the following week often within a couple of weeks of notice.



Waterproofing

Waterproofing selection is critical as it is the main contributing factor to a panel tanks design life, a poor liner selection can cause significant costs in the short run as well as the long term. As a rough guide, if you need to store council water for fire protection—meaning that the tank will almost always be full—then you may want to select a 0.75mm PVC liner for price competitiveness. However, if the tank will be filling and emptying regularly with a variety of chemicals then you'll need a reinforced liner with a scrim (a thread inside the liner) which will not shrink and can handle the fluctuations. There is no shortage of liner or waterproofing options and ATM is well experienced in installation all types. Spray on liquid rubber and polyurethane coatings are becoming popular, but these coatings are more costly and require significantly more attention to detail in preparation. Unfortunately this means that many companies doing these coatings get it wrong due to insufficient preparation which results in higher repair costs. Most panel tanks can be manufactured and installed within 8 weeks from order compared to the 6 months for concrete and welded tanks.

Panel Tank Options

In short everything in panel tanks is variable. Wall sheet thickness's range from 0.48mm thick for some rural farm tanks up to 20mm thick for mega litre reservoir storage. Coatings include colour-bond for farm tanks to galvanised steel for fire tanks to glass resin and epoxy coatings. Similarly panel tanks can be built without roofs, however if a roof is required, you have the option of purchasing a cheaper durian purling roof structure with zinc-alum sheeting and a centre column support, or a self-supported hot dipped galvanised roof structure with colour-bond ultra-sheeting and a roof liner. Another option would be using a new membrane liner roof to avoid corrosion all together.

High Spec Tanks.

At ATM Tanks, we fabricate and install high-spec tanks—tanks used for specific purposes that have to comply with health standards.

Our tanks are used in many industries. Here are some, to name a few:

- **Water treatment tanks** – used for treated water, which is primarily used as storage for wastewater that has already been treated and ready for deployment.
- **Chemical storage tanks** – tanks that store chemicals in many industries such as paint manufacturing plants and others. The chemical tanks we fabricate use materials that match the demands of the chemicals stored in them.
- **Effluent storage tanks** – used in wastewater that has not been treated yet; our tanks are designed to hold both treated and untreated water that comes out of your plant or sewer. There are different types of liquid that are classified as effluent, and we do specialize in fabricating tanks that contain them. we have tanks for suspended solids, ammonia, flammable liquids, and even toxic metals.





Waterproofing and corrosion-proof coating:

To ensure that our tanks do not leak, we use only the highest quality of materials. For one, we use high grade polyurethane to waterproof the tanks.

We also do proof coating of the inside panels. As such, we can eliminate the need for using a liner. Although liners are a good option for most tanks, they have to be replaced every 15 or 20 years.

Here are the benefits of our waterproofing and corrosion-proof coating:

- Best quality steel tanks on the market
- Cheaper than glass fused steel
- No liner required
- Longer lasting roof
- Full steel panel roof & base
- No air/vapor will escape without a vent

Waterproofing is an important aspect of tank-building, especially for chemicals and effluent liquids. At ATM Tank Group, we design the tank according to the type of liquid you will store. Our engineers will provide options and also explain why such materials are the best used for specific kinds of liquids or just simple potable water.

Tank Life and Design

If you maintain the tanks, you can expect them to last 50% longer than the design life. These tanks, however, come at a slightly larger price. The thing is that despite the cost, you will save money on repairs and maintenance, not to mention the fact that you will not have to replace your tanks for 50 years.



Liners & Refurbishments.

Tanks require a heavy financial investment. The thing is, no matter how superbly the tank was made, nature gives us entropy. It means that all things in life will oxidize and get old over time. With ATM we offer a solution to help you save on the cost of replacing your tank.

This solution is done through liners and refurbishments. Replacing your tank's liner is a lot more financially reasonable than completely replacing your tank. With liners and refurbishments, you can save up to 50% on the cost of a tank replacement, and you can also extend the lifespan of your tank.

What if you cannot shut down the system? This is no problem. We at ATM can lend or sell you a temporary/ permanent bypass tank. We will transfer the liquid to the tank, using our plumbers to set up a bypass line so we can start working on replacing the tank's liner without any system downtime.

Liners and Materials

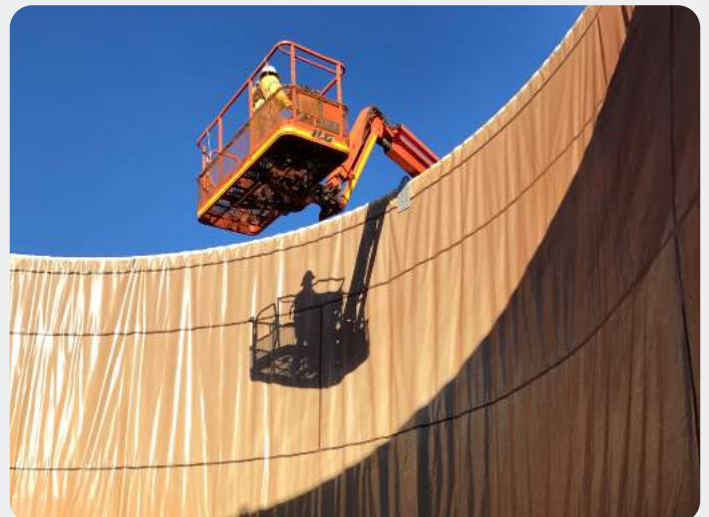
We offer several types of materials that we can use for your liner. The materials you select will depend on the liquid that you are storing.

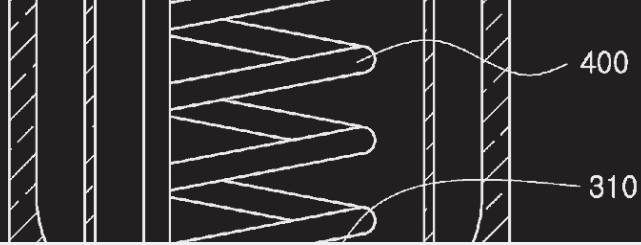
Here are some examples:

- HDPE
- XR range
- Pond liners
- PVC
- Spray-applied rubber
- LDPE

We do not offer single-size bladder liners. Instead, we fabricate them and make sure that they are custom-fitted to your tank.

Be assured that at ATM, we only use the best materials. And we also make sure that the materials are compatible with how you will use them—we have different liners for effluent tanks, corrosive metals, water, and chemicals.





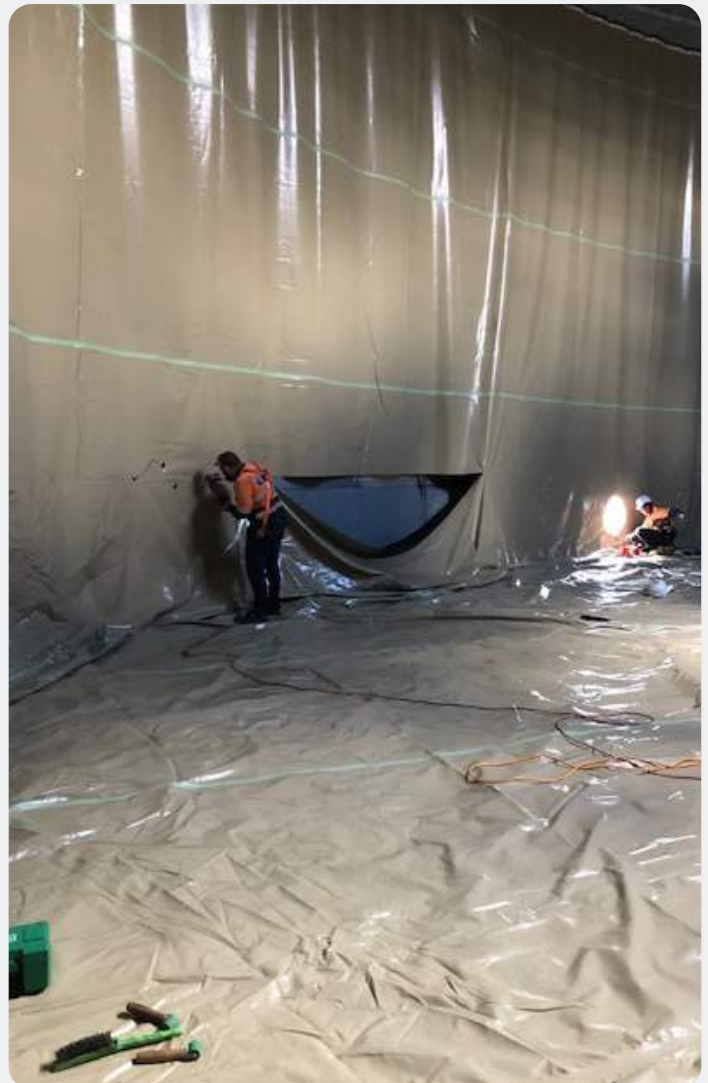
Corrosion restoration

Apart from liners and refurbishment, we also provide tank restoration services if you need them. Tanks that do not have liners will oxidize, the result of which is rust. If your tank is showing signs of corrosion, we can give it an inspection & quote for the repairs.

We use remotely-operated vehicles to do this job. This way, there is no need for a diver to enter the tank. The actions involved in this type of restoration process depend on the degree of corrosion, and where it is happening.

We have MIC Specialists on board. Some microbes eat steel, no matter what kind of steel you use, in the same way that termites eat wood.

At ATM, you can expect us to deliver top services to arrest any MIC problems in your tank. This will help you save a ton of money, considering that heavily damaged tanks can sometimes no longer be restored and can pose a real danger to the building/ area & the people within that area.



GRP Panel Tanks.

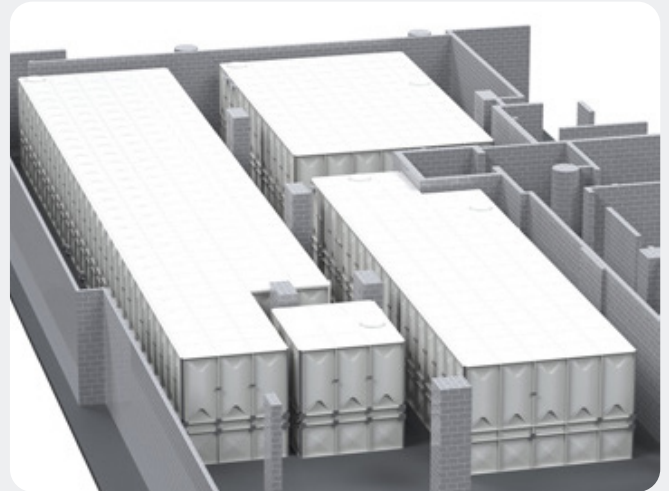
Glass Reinforced Polypropylene (GRP) Panel Tanks are square in shape and are usually manufactured in 1m x 1m square sectional panels. When these panels are bolted together with gaskets in between, they can form a large area inside a room, suitable for storing liquids from 2000 litres up to 1 mega litre (1,000,000 litres).

The square GRP Tanks are best suited for projects which are critical on space such as those found in high rise buildings, hospitals, processing plants and shopping centres. GRP tanks can generally be supplied and installed within an eight (8) week turnaround and have even more versatility in design options than their round tank counterparts. These tanks can be constructed in many variations of a polygon including wrapping around buildings column. They can also be manufactured to include an external or internal structure, bladder, spray on waterproofing or gasket, roof or no roof, be galvanised, stainless steel, epoxy coated or more.



Often these square GRP Tanks are not being inspected, cleaned or serviced for lengthy periods of time as they are generally hidden in a basement or on the roof. When combining this fact with the corrosion which forms in stagnant water and the fact that these tanks are often at the top of high-rise buildings, there is a large potential for disaster. If a structural tie rod in these tanks corrodes and gives way, the entire wall of the tank falls under the pressure of the water, flooding everything in its path including penthouses, electrical equipment, gyp-rock, carpet and more. This is a preventable risk. If you have a GRP Tank which hasn't been inspected for over a year, have a tank specialist which has knowledge regarding corrosion especially MIC conduct an evaluation. They should be experienced in isolating and draining the system and replacing structural rods in the event of emergencies.

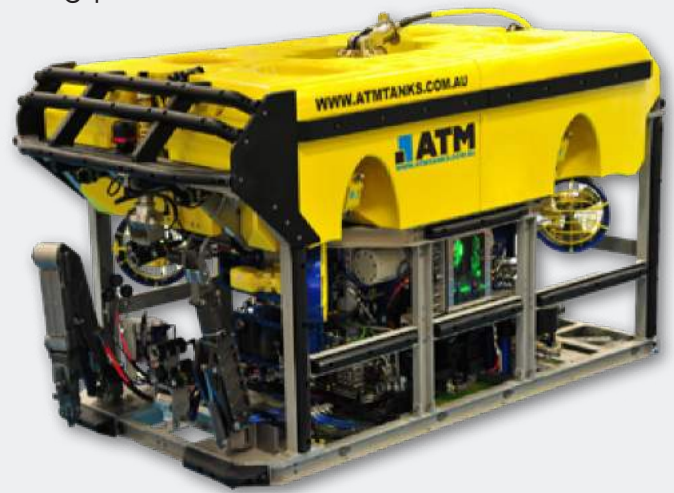
GRP tanks, being fibre glass, have superior corrosion resistance properties to hot-dipped galvanised and stainless steel tanks. This gives it a distinct advantage over them as its price point is roughly the same as hot dipped galvanised tanks and almost half that of stainless steel. Most square tanks come with roofs, manholes, internal and external ladders as well as level indicators and fittings. All of which are as variable as your specifications required with an average design life of 20-40 years.



Cleaning, maintenance and repairs.

Tank cleaning, repairs, refurbishments, supply and installs are just a few of the services we provide. Our competitive advantage is in the fact that we're not only able to maintain and warrant our own services but we specialise in providing warranty upgrades to old, structurally unsound or dilapidated tanks. Depending on the contents of your industrial tank ATM has a range of tank cleaning techniques to suit.

ATM can clean your tank using specialised tank cleaning commercial divers or drain the tank, high pressure wash to 4000psi with a chlorine mix to comply to AS3500 and then vacuum, followed by a stringent commissioning process. Our isolation trained technicians will ensure that your system is properly serviced and that it is decommissioned and recommissioned safely.



Tank cleaning and tank repairs can be performed by divers and is a very cost effective method which minimises water loss and system downtime. This option shall require the fire brigade and insurance company to be notified of the tank isolation and maintenance prior to and after the work. They understand that fire systems need to be isolated and maintained, therefore performing tank cleaning and tank repairs is generally not a concern for them as long as it's done during off peak periods.

Most tanks can be repaired to a like-new and 'fit for purpose' condition at a fraction of the replacement cost, meaning your allocated budget can be spent on more ascetically rewarding or urgent projects, increasing ROI and minimising cap-ex.

No matter the tank's size, location or space restriction, the experienced technicians at ATM can help you.

Features & Benefits

- Compliant to Australian Standards and Building Codes
- CCTV tank inspections to AS1851 Fire and AS3500 Potable Water
- Clean, inspect and report. Qualified divers are used where required
- Corrosion control using epoxy coatings, sacrificial anodes
- Structural upgrades: internal tie-rods, external exo-structure
- Waterproof catch trays and Binding waterproofing
- Roof structure replacement
- Compliance plates and stickers
- The ONLY MIC specialist
- Fast response for emergencies
- Budget forecasting
- Ladders, cages, platforms
- Pumps, pipe-work, nozzles and valves
- Level control/ alarm systems
- By-pass systems
- Level control/ alarm systems
- Liner replacements



ATM industrial panel tanks (ATM) specialises in tank builds, modifications and maintenance. ATM has performed significant tank refurbishments, re-lines and roof replacements for Government Hospitals, Power Stations, Food Process Companies, Mines and more.

ATM supply, install and service liquid storage tank liners, components and pumps in Australia and the Pacific, and offer a service to take over other manufacturers' warranties. ATM are resolving to lead the industry through innovation and professionalism to a new level of quality.

ATM is 100% Australian owned and operated, all components are designed and manufactured here while maintaining competitive pricing against tank importers. In order to take over the manufacturer's warranty, ATM checks the tanks design, engineering and compliance to Australian Standards. This is essential for managers who value their assets, insurance policies and want a genuine warranty.

Innovation: ATM has engineered and manufactured permanently mounted tripods to install in clients' tanks which have a service agreement in place, is repaired or relined by us. Tripods are also sold individually at a competitive price.

The ATM Difference.

- 100% Australian Owned
 - We deliver on time, in full, within budget
 - More than 20 years industry experience
- Products are certified to Australian Standards
 - Specialised in turn-key projects
- Our Maintenance Program will take over warranties from other manufacturers.

Contact Us

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