



Epoxy for Water Facilities: a 30-year success story from Singapore

Project name:	Singapore's National Water Agency (PUB) Lime Saturator
Client:	PUB
Contractor:	AHF Industries
Location:	Sydney, NSW
Application:	Strengthen & Repair



PROJECT SNAPSHOT

Corrosion, abrasion, immersion and chemical exposure push water-treatment structures to their limits. Yet one lime saturator owned by Singapore's national water agency (PUB) continues to outperform expectations – still going strong more than 30 years after a major restoration using Megapoxy.

A lime saturator mixes lime with water to create a stable solution used to control pH in drinking-water treatment. While these systems have modernised over time, this large concrete saturator – typical of facilities built in its era – remains in service today.

Working with our long-standing distribution partner, Singapore's AHF Industries, we supplied Megapoxy H and Megapoxy HT in the 1990s to repair the tank's

significant leakage and concrete deterioration. Both were used to coat the inside of the lime saturator with Megapoxy H being used as the primer before Megapoxy HT was applied. Megapoxy HT is a hydrophilic, high-build epoxy gel known for exceptional strength in damp or underwater conditions and its no-sag reliability on vertical concrete surfaces. It also had to be proven potable-water compliant before being chosen for the job.

The tank returned to service with a five-year warranty and, more than 30 years later, the same Megapoxy H and Megapoxy HT repair and lining solution is still performing. It shows what durable epoxy systems can deliver: lasting confidence, reliable protection and extended asset life. It's also a reminder of why HT remains one of our most trusted and widely used products to this day.



Lime saturator tank

A partnership built on expertise

Megapoxy's long history in Singapore is shaped by our partnership with AHF Industries. As one of Singapore's leading technical distributors, AHF specialises in valves, valve automation and control products – backed by strong product knowledge, reliable supply and responsive after-sales support. They serve industries where uptime and performance matter, including water treatment, oil and gas, petrochemical, marine and industrial processing.

Our shared approach is simple: understand the client's issue and goal, and provide the perfect way to deliver on them. It's a mindset that has guided our work together for more than 30 years.

As AHF's Founder and Partner, Alvin Lee, explains: "You have to know your products – but you must always understand the customer's problem and find a solution."

A wider footprint across Singapore's infrastructure

The PUB lime saturator is one standout example in a broader history of Megapoxy solutions across Singapore: from chemical-dosing and potable-water structures to chemical-waste tanks, FRP water storage and specialist industrial repairs.

Some of these assets have since been upgraded as facilities modernised. Others, like the lime saturator, continue to serve well beyond their expected life: a reminder of how durable materials and thoughtful engineering can extend essential infrastructure.



PRODUCTS USED

- [Megapoxy H >](#)
- [Megapoxy HT >](#)

Strength through a global network

Our work in Singapore is part of a wider commitment and reputation for supporting projects around the world. Megapoxy partners with trusted distributors and technical specialists across the Asia-Pacific, the Middle East, Europe and South America – experts who know their markets, understand local conditions and work alongside customers to solve complex problems.

It's a network built over decades, enabling us to deliver reliable, informed support wherever our solutions are used.

**Need Megapoxy solutions and support?
We've got you covered worldwide, with
our trusted global network of stockists
and distributors.**

VIVACITY ENGINEERING PTY LTD

3 Sefton Road, Thornleigh, NSW 2120 | PO BOX 71, Hornsby NSW Australia 1630
Phone: 61 (2) 9875 3044 | Email: sales@megapoxy.com | Email: info@megapoxy.com
megapoxy.com | ABN 78 305 545 664

Megapoxy®