

CONCEPT TANKS

*Safe, secure and
sustainable fluid
solutions.*





ABOUT LAYFIELD

Over the past 45 years, Layfield has created innovative and sustainable geosynthetic solutions to protect our communities and environment. Since 1978 we have been one of the pioneering geomembrane manufacturers, fabricators, and installers in North America, making time one of the key ingredients to our success!

With a strong company culture rooted in family values, commitment, and high ethical standards, we are building a better tomorrow. We've been around for a while – and we keep getting stronger.

THERE WHEN YOU NEED US FOR SAFE AND RELIABLE SERVICE.

Quality installation and routine maintenance lead to superior performance. With over four decades of experience, your company can depend on us to ensure your investment performs over the longterm.

You will benefit from installation crews trained in quality control and safety and with extensive project management experience. We also offer a complete service program specializing in cleaning, inspecting, and repairing geomembranes and floating covers. With us, you will meet your required maintenance regulations and can rest assured every geosynthetic installation is as reliable as the last. commitment, and high ethical standards, we are building a better tomorrow. We've been around for a while – and we keep getting stronger.





320
tanks

Total tanks installed

4,370
million litres

Total litres relocated & stored

86
million tonnes

Total earthworks prevented

40-50%
lower cost

(capex savings)

30%
smaller footprint

75% faster
construction

ABOUT CONCEPT TANKS

Concept Tanks is a leading provider of large-scale fluid storage solutions, with the ability to fabricate and construct Concept Tank™ solutions up to 100 Million Litres (26,417,205 Gallons).

Our experience spans more than a decade, delivering water management infrastructure across the globe.

Concept Tanks has installed more than 300 Tanks, safely storing in excess of 4370 Million Litres (1,154,431,868 Gallons) of fluid, from potable water through to brine and process effluent.

Concept Tanks specializes in remote and regional work with off-site fabrication allowing rapid on-site installation times, proving to be up to 50% faster than traditional construction methods.

CONCEPT TANK™

The Concept Tank™ is one of the world's most secure, economic and environmentally friendly fluid management and potable water solutions. It's a big claim, but Concept Tanks backs it with industry-leading research and analysis from satisfied customers and independent bodies.

The Concept Tank™ is the world's largest relocatable water storage tank.

Ranging in size from 12 Million Litres (3,170,064 Gallons) to 100 Million Litres (26,417,205 Gallons), the modular, precast concrete panel tank is quick to install, requires no concrete foundations, and can be relocated and resized as required.

With multiple containment layers and monitoring systems, the Concept Tank™ offers the highest standard of fluid storage on a mega scale.



CONCEPT TANK™ SIZES

Concept Tanks are custom-built to meet your site needs, both in terms of total storage capacity and dimensions.

The following dimensions are an indication of Concept Tank™ sizes.

Many of our builds are bespoke, so please contact us to discuss your specific requirements.

CAPACITY



12ML (3,170,064 gal)
15.5ML (4,094,666 gal)
25ML (6,604,301 gal)
40ML (10,566,882 gal)
55ML (14,529,462 gal)
75ML (19,812,903 gal)
100ML (26,417,205 gal)

DIAMETER



70m (229.6 feet)
80m (262.4 feet)
110m (360.9 feet)
130m (426.5 feet)
140m (475.7 feet)
155m (557.7 feet)
185m (606.9 feet)



The Concept Tank™ is one of the world's most secure, economic and environmentally friendly fluid management and potable water solutions.

CONCEPT TANK™ APPLICATIONS

Offering up to a 25-year design life, the relocatable Concept Tanks are constructed for various applications, installed and operational in as little as a single day.

- Dewatering
- Drilling support
- Potable water storage
- Process Effluent
- Produced water storage
- Raw storage
- RO Brine storage
- Tailings

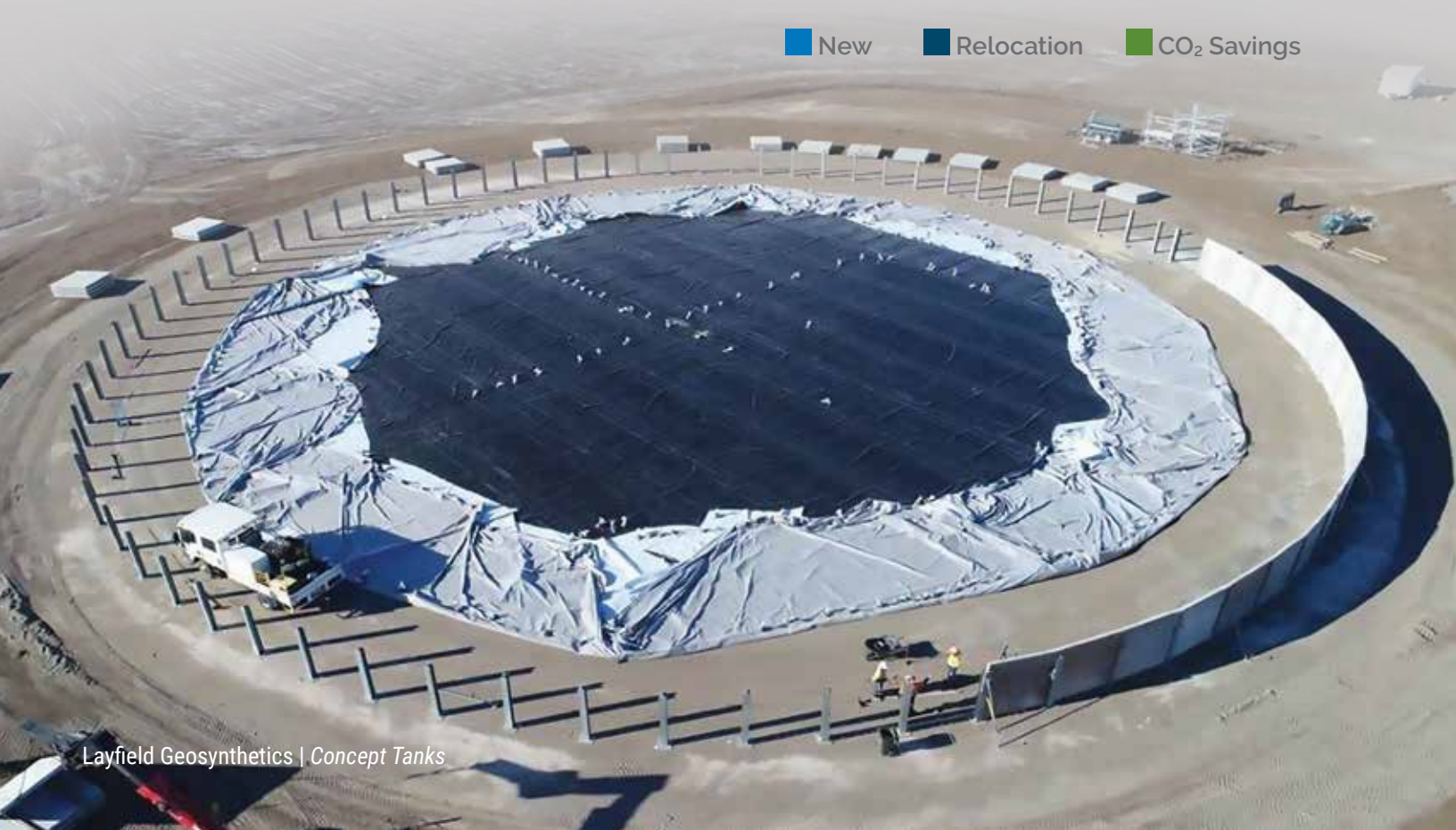
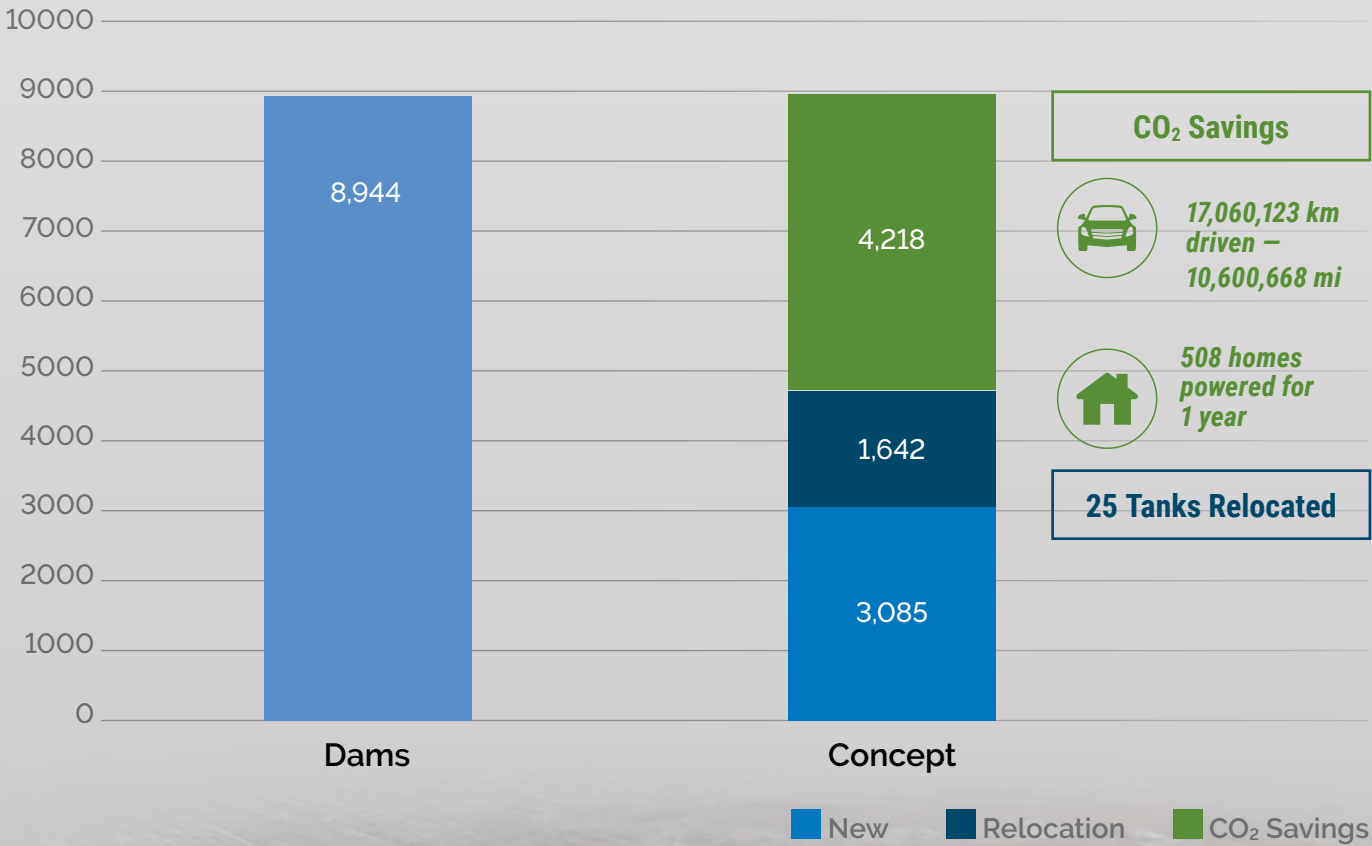


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CARBON SAVINGS

Concept Tank™ vs Reservoirs

million metric tons carbon dioxide (CO₂)



LEAVING A LASTING LEGACY

Our focus at Concept Tanks is on reducing environmental impact and supporting local communities.

We approach each project individually, actively identifying opportunities for local community engagement and participation, that invigorate favorable outcomes for on behalf of the Energy & Resource industry, our clients and local community alike.

Warwick Drought Relief Project

Concept Tanks was proud to donate a 7.3ML (1,929,455 gal) Concept Tank™ to the Queensland township of Warwick during an era of severe drought.

After years of crippling drought, Warwick's Leslie Dam was just days from running out of water. To aid the region during this hardship, Concept Tanks, with its partners, relocated one of its tanks from the Surat Basin to Warwick to bolster raw water storage for the township.

The project took just 10 days and was welcomed by the local residents, the tank remains in place and operational today.

We pride ourselves on engaging with local communities, opting for local suppliers and service providers on all projects across the country.



THE CONCEPT TANKS DIFFERENCE

Concept Tanks offer various benefits over traditional fluid management solutions, with carbon reduction remaining at the forefront of our design, construction and operational values.

Reducing Greenhouse Gas (GHG) emissions is critical in ensuring a sustainable future, a goal Concept places at the core of its operation, from concept to delivery.

We pay close attention to our carbon footprint here at Concept Tanks, and stand by our claims. We have conducted a case study comparing our Concept Tank™ to traditional earthen dams, with very promising findings.

Concept Tanks reduced carbon intensity is achieved through minimal earthworks, no imported fill, lower construction times, minimal site rehabilitation, and various recycled and reusable materials.

For over a decade, Concept Tanks has operated at the forefront of fluid storage, pioneering a sustainable approach to delivering solutions that the Oil & Gas, Mining, Water, Waste and Agriculture Industries have come to know and trust.



Concept Tanks modular tanks are engineered up to 100ML (26 Mil Gal), offering a 25-year design life



We use pre-stressed and post-tensioned concrete panels



Innovative & modular construction safer eliminating civils



Concept Tanks can be relocated with little remediation required



Rapid construction 13 Mil Gal in 25 days on site

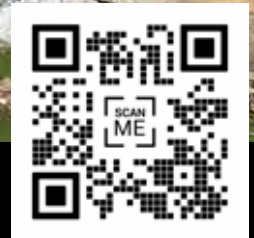


Less people & plant on site reduces risks



CONCEPT TANKS

*Simplifying a
sustainable future*



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