



PANELTANK SUPPLY

PRODUCT BROCHURE

GLASS-FUSED-TO-STEEL BOLTED TANKS

DURABLE COATING. BOLTED CONSTRUCTION. LARGE CAPACITY.

Scalable circular bolted tanks for large-capacity water, wastewater and process storage.



COMPLETED PROJECT - EXTERIOR

LARGE CAPACITY

Engineered water storage system

WATER / WASTEWATER

Engineered water storage system

BOLTED SHELL

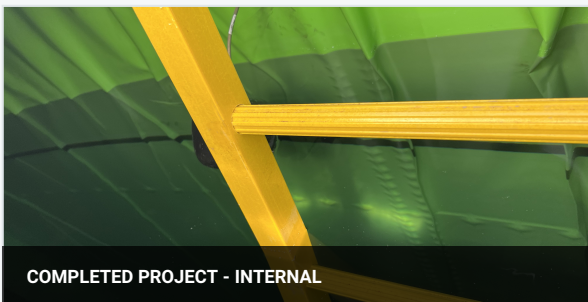
Engineered water storage system



SYSTEM OVERVIEW

Key advantages

Scalable circular bolted tanks for large-capacity water, wastewater and process storage.



FACTORY COATED PANELS

Glass and steel are fused during manufacture to create a hard, corrosion-resistant surface.

BOLTED SITE ASSEMBLY

Prefabricated panels reduce reliance on extensive site welding for the tank shell.

SCALABLE GEOMETRY

Circular bolted construction supports a broad range of diameters, heights and capacities.

ROOF OPTIONS

Project-specific roof systems can include steel or aluminium dome solutions depending on duty.

Typical applications

- Potable / process water

- Municipal and industrial wastewater

- Fire water storage

- Bio-energy / anaerobic digestion

- Leachate and sludge storage

- Selected dry bulk or specialist process duties



CONFIGURATION

Design and configuration

Capacity, geometry, stored service, supports, access and accessories are coordinated to suit the project requirements.

01 PROCESS DUTY

Stored medium, pH, temperature, chemical exposure and cleaning requirements.

02 DESIGN LOADS

Hydrostatic, wind, seismic, roof, platform and connected pipe loads as applicable.

03 COATING SYSTEM

Coating build, colour, testing and certification requirements are selected for the project duty.

04 ROOF / ACCESS

Hatches, platforms, ladders, vents, mixers and roof penetrations require coordinated engineering.

TYPICAL CONFIGURATION

Final arrangement is engineered to suit the project.



Technical considerations

- Typical GFS systems use factory-prepared bolted steel panels with a vitrified coating bonded to the steel.
- Tank dimensions and coating requirements are selected to suit the project design basis and stored service.
- Applicable standards and certification requirements are confirmed for the proposed tank system.



PROJECT INPUTS

Information required

A clear project brief allows the tank size, material, geometry and accessories to be matched to the application.

01

CAPACITY + OPERATING LEVEL

Required storage volume, freeboard and any compartmentation.

02

STORED SERVICE

Potable, fire, process, wastewater or other duty; chemistry and temperature where relevant.

03

SITE + ACCESS

Tank room / pad dimensions, delivery route, lifting limits, installation clearances and roof height.

04

CONNECTIONS

Inlet, outlet, overflow, drain, return and any specialist nozzles or fittings.

05

DESIGN BASIS

Applicable standards, wind/seismic criteria, structural supports and client specifications.

06

ACCESSORIES

Access hatches, ladders, platforms, vents, level indication, insulation and other options.

PANEL TANK SUPPLY

BUILT AROUND THE PROJECT.

Capacity, site conditions, connections, access and design requirements are coordinated into the final tank configuration.

Specifications and compliance requirements are confirmed for the final project configuration.