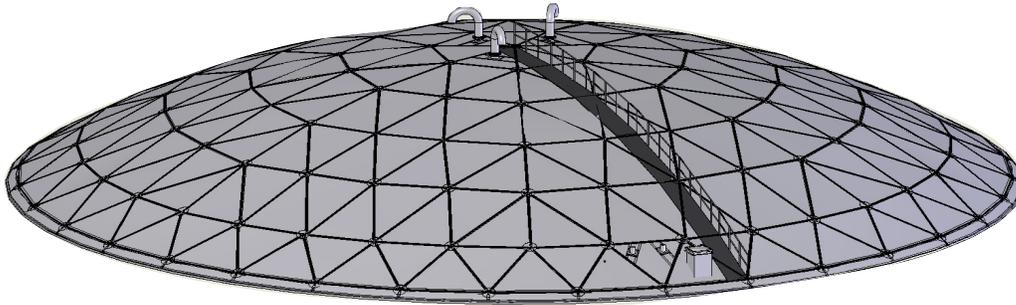


Competitively priced and custom-designed for your specific application, our covers are low maintenance with a longer life-cycle and can be erected quickly with little to no interruption to your current tank operation.



ALUMINUM COVERS



STT Tanks & Industrial will help make your selection of an aluminum cover easy; we can offer aluminum domes, flat covers and vault covers. We also offer our clients in-house Project Engineering services, Project Management and factory-trained and certified Field Construction Crews.

STT Tanks & Industrial is partnered with the world's leading dome designer and manufacturer, we've taken our unparalleled experience and reputation and applied it to the supply and install of aluminum covers.

Aluminum cover designs are easily installed and removed as needed and can be self-supported or supported with trusses and other structural members. So no matter what the size or shape of your storage reservoir, we will provide the right aluminum cover solution for your application.

Aluminum Covers

ALUMINUM GEODESIC DOMES

The aluminum geodesic dome design is available in clear spans up to 1,000 feet (304.8m) and can support loads up to 500 lb (226.8kg) per square foot. Aluminum Geodesic Domes have been designed for snow loads up to 300 lb (74.84 kg) per square foot and wind loads of more than 175 mph.

The self-supported design and integral tension ring eliminates the need for roof columns and reinforcement of tank side walls, making it more flexible for your operational needs. The lightweight characteristics of aluminium creates for a more cost effective and quicker construction process – domes are resistant to hydrogen sulfide, chlorine and other corrosive vapors which translate to a longer life and lower life-cycle costs.

EXTRUDED FLAT PANEL ALUMINUM COVERS

The extruded panel cover design is available in clear spans up to 18 feet (4.57m) and custom designed to meet your project's specific functional and design-loading requirements. All aluminum designs are constructed of 6061-T6 and 6063-T6 aluminum structural members and 6063-T6 sheets to ensure quality, durability and longevity.

FORMED FLAT PANEL ALUMINUM COVERS

The formed panel cover design is available in clear spans up to 30 feet (9.14m) and custom designed to meet your project's specific functional and design-loading requirements. By using quality 5052-H32 aluminum panels and 6061-T6 aluminum structural members along with silicone and/or neoprene sealant and gaskets, we ensure ultra-low maintenance for the life of the covers.



WHY ALUMINUM?

Aluminum covers provide the strength, durability, odour control and protection characteristics unavailable in steel, plastic, fabric or any other materials of construction.

All-aluminum construction is superior to other materials in:

Corrosion Resistance

Aluminum is inherently corrosion resistant versus other alloys. It will last the lifetime of the structure and will not require coating to protect it from atmospheric conditions.

Low Lifetime Maintenance Cost

With no corrosion or the need to repaint to protect the structure over time, there are little to no maintenance costs associated with an aluminum dome.

Clear-Span Capability

Aluminum's lightweight characteristics allow for larger clear-span cover capability than structures that use steel, concrete or other materials.

Design Flexibility

Aluminum's excellent strength-to-weight ratios and creative component design yield covers and structures that cannot be achieved with other materials.

Environmentally Responsible

Aluminum cover systems are made up of more than 50% recycled aluminum and are then recyclable after their service life-cycle.

HOW DO YOU BENEFIT?

- Air tight to help wastewater and other facilities control odors or hazardous vapour emissions - providing a safe work environment
- The unique strut and panel system on aluminum geodesic domes can be designed to accommodate virtually any reservoir size and shape, making it ideal for new construction or retrofits
- Flat panel covers provide a low profile design
- Aluminum covers are constructed with a slip resistant surface providing a safer work environment
- As environmental regulations governing petroleum and chemical storage are on the rise, aluminum covers help operators achieve regulatory compliance and bring new levels of cost efficiency to storage facility operations

CONTACT US

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