



Tarsco[®]
a TF Warren Company



**Full Service Provider for
Storage Tanks and Terminals**

A Single Source Solution

Tarsco and the TF Warren Group of Companies have served industrial clients for more than 35 years. We specialize in tank construction, maintenance, repair, turnkey terminals, and ASME spheres. Tarsco provides the highest level of safety, quality, and on-time performance in every aspect of a project.

With operations located throughout the Western Hemisphere, Tarsco is well positioned to deliver unsurpassed service to our domestic and international clients.

Using our Engineering, Procurement, and Construction (EPC) approach with our single point of contact project management system, we strive to exceed our clients' expectations.





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Storage Solutions



Refrigerated, Cryogenic, and Spherical Storage

Tarsco provides refrigerated, cryogenic, and spherical storage for anhydrous ammonia, argon, butane, ethane, helium, hydrogen, natural gas, nitrogen, oxygen, pentane, and propane. These storage tanks are built in accordance to API 620 Annex R & Q, API 625, and ASME standards and codes.

Based on the stored product, regulations, and customer requirements, Tarsco builds both single wall, double wall, full containment, or sphere storage tanks and vessels. We provide turnkey storage solutions including, civil, structural, foundations, insulation, coatings, and electrical/instrumentation.

For larger tanks, Tarsco has developed an extensive and efficient procedure to build tank dome and elliptical roofs near the bottom of the tank and then air raise them into final position. This procedure allows most of the roof erection work to be constructed at a low elevation resulting in a high quality roof while limiting personnel exposure to dangerous heights. Large tank dome and elliptical roofs in the range of 75' to 350' diameter weighing up to 1,000 tons with heights over 150' often utilize this air raising procedure. Go to www.tfwarren.com to watch a video of a roof being air raised.

ASME Spheres

Spherical shaped storage in the form of ASME pressure vessels are used in gas and liquid storage in many industries including midstream, downstream, chemical, petrochemical, waste water, and aerospace.

A spherical shape offers uniform stress distribution under internal loading resulting in highly efficient pressurized storage. Sphere storage results in the lowest land space for pressurized storage and offers lower costs than other options for foundations, coatings, accessories, and piping. Spheres can be built from 1,000 barrels to 75,000 barrels of capacity. Tarsco provides sphere storage for ambient, refrigerated, or cryogenic temperature applications.

We provide EPFC turnkey solutions for sphere storage in accordance with our ASME Certificates of Authorization for Section VIII, Divisions 1 & 2, vessels, as well as sphere and vessel repair in accordance with our National Board "R" Certificate of Authorization. Our team includes numerous industry experts in the design, project engineering, fabrication, construction, coatings, and insulation of spheres with more than 200 man-years of proven experience.

Spheres can store many products such as:

- anhydrous ammonia
- LPG, NGL
- gasoline
- naphtha
- butadiene
- ethylene
- hydrogen
- oxygen
- nitrogen
- argon
- LNG
- biogas
- sewage gas
- waste water





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Use our Single Source Solution approach on your next project

Terminal Services

We provide greenfield projects as well as expansions and retrofits to existing import and export or storage terminals. Our services include complete terminal layout for ship, rail, or truck facilities. We provide civil/structural and mechanical/piping engineering including boil-off refrigeration/compression processes, and pumping systems. Additionally we provide electrical/instrumentation, hydraulics, pollution controls, complete coatings, insulations systems, site fire protection, and site construction.

Tarsco uses a proven EPC approach and project management system to control every aspect of the terminal project. We utilize the resources of the TF Warren Group and other partnering companies. When necessary, we have an extensive list of approved subcontractors for all terminal specialty requirements.

Tank Construction

Tarsco works in close relationship with our customer to maximize their project value by utilizing a total cost of ownership approach based on our extensive knowledge of how to engineer, procure, fabricate and construct storage tanks.

We provide all sizes and styles of tanks and vessels from shop built to the largest of welded or bolted storage tanks and ASME spheres. Our products include all types of bottom and roof configurations including secondary containment and leak detection systems as well as geodesic dome roofs to meet your requirements.

Regardless of your industry, if you have storage requirements, we have the expertise and the experienced personnel to provide you with a single source turnkey solution for the simplest or most complex storage requirements.

Tarsco serves these industries:

- Terminals/Pipeline
- Petroleum Refining
- Electric Power
- Water and Wastewater
- Metals and Mining
- Chemical Processing
- Alternative Fuels
- Food and Beverage
- Industrial Manufacturing
- Pulp, Paper, and Wood
- Pharmaceutical and Biotech



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Maintenance and Repair

All work is performed according to API 650-653, and ASME standards and codes.

Tarsco plays an important role in maintaining both tank and pressure vessel integrity and environmental compliance through its customized maintenance and repair services in accordance with the requirements API 650-653 and the National Board Repair requirements.

We recognize time is of the essence for our clients when a tank or pressure vessel is taken out of service or has an emergency repair. Our intense customer focus is the driving force behind our specialized construction supervisors and crews who are ready with the expertise and equipment necessary to quickly solve your tank or pressure vessel maintenance and repair problems.



Let Us Add Our Success to Yours

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SOLUTION**

www.tfwarren.com