



PRESS RELEASE
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Crowning Achievement: CST Tops Off Port Arthur Water Expansion with OptiDome®
Utility Expanding to Meet Growing Energy Production Needs

Port Arthur, TX – April 22, 2016 – CST Covers, the worldwide leader in custom aluminum covers and structures for architectural, environmental and industrial applications, has designed, fabricated and delivered an OptiDome® aluminum geodesic flush batten dome for the expansion of City of Port Arthur’s water treatment facility. The dome was designed to attach to a 3.8 million gallon concrete tank built to serve Cheniere Energy’s liquefied natural gas (LNG) facility on the Sabine Pass River.



“The project called for a roof that would span a large area while withstanding the elements—including hurricane force winds—and CST met all the requirements,” says Brandon Harrison, division manager at Allco Construction. “The aluminum dome is versatile in that it provides airtight protection along with efficient access and visibility.”

The flush batten OptiDome is a next generation aluminum geodesic dome from CST and sets a new standard in engineered aluminum cover technology. The Port Arthur dome is 202 feet in diameter and contains four vents, two hatches and a walkway for monitoring and maintenance.

“CST’s aluminum geodesic dome is the preferred cover solution due to its corrosion resistance, low lifetime maintenance costs and clear-span capability,” says Gerry Sharp, project manager at CST Industries. “In addition, it’s lightweight yet durable and construction takes about a third of the time of other cover systems.”

Every CST aluminum cover is custom designed to meet the specific requirements of each project and be engineered for any snow, wind or suspended load capacity, as well as span-to-rise-ratio. With the ability to cover spans of 900 feet or more, OptiDome offers a wide range of applications without unsightly beams, girders or columns.

Cheniere Energy is funding the treatment plant expansion, including the tank and dome. Allco was the general contractor and Arceneaux Wilson & Cole served as project engineers.

About CST Covers

CST Covers is the worldwide leader in the design, manufacture and construction of custom aluminum covers and structures for architectural, environmental and industrial applications.

CST Covers has supplied over 18,000 covers in more than 90 different countries and offers multiple structural, high strength aluminum design solutions including domes, vaults, extruded flat covers, formed flat panel covers, truss supported covers, space frames as well as custom products specifically designed for customers unique vertical and overhead applications. The company maintains manufacturing facilities and technical design centers in Gardena, California; Conroe, Texas; and Rincon, Georgia. The company is headquartered in Conroe, Texas.