CST Covers employs geodesic dome engineering principles and lightweight aluminum materials to produce aluminum domes with superior strength and design flexibility instrumental in meeting the increased regulatory demands of the petroleum and chemical storage industries.

Ideal for both new construction and retrofit projects, CST Covers aluminum domes are an economical solution that require almost no maintenance, are easy to install and provide long-term protection to valuable owner assets. They also can be constructed quickly, usually with no interruptions of tank operation.

CST Covers’ products are non-combustible and remain unaffected by the corrosive effects from petrochemical emissions. By helping control hazardous vapors and preventing water intrusion, our covers provide environmental efficacy, protect stored product and reduce remediation costs associated with treatment of contaminated “bottom water.” Tanks can remain in service while the dome is being built since no hotwork is required.

CST’s Competitive Advantage:

- **Quality Reputation**—Unparalleled reputation for quality products and service.
- **Unmatched Experience**—Temcor and Conservatek have 80+ years of combined experience in the design, fabrication and installation of aluminum cover systems.
- **In-House Manufacturing**—CST owns and operates not one, but two manufacturing facilities. This increased manufacturing capacity helps to provide fabrication flexibility and ensure on-time deliveries.
- **Increased Coverage**—With multiple offices across the world, CST is poised to provide the best and most timely customer service regardless of the location of the project.
- **Quality Control**—All CST facilities are ISO 9001 certified.
- **Aluminum Advantage**—CST Covers’ aluminum domes have a proven track record of value, reliability and success that is unmatched in the industry.
OptiDome™ is a next generation aluminum geodesic dome from CST Covers. A result of proven dome design experience, modern engineering, high strength aluminum alloys and state-of-the-art manufacturing processes. OptiDome is the most functional, reliable, longest lasting dome solution in the industry.

**OptiDome™ Features**

- Patent pending batten seal technology, protects against ultra-violet exposure and degradation of gasket material
- Meets the latest design codes including Eurocode, Aluminum Design Association’s 2010 Design Manual, IBC 2012 and more
- Increases water shedding and eliminates ponding
- Corrosion resistant
- Fast, safe, low-cost construction

**OptiDome™ Design Highlights**

- Flush Batten and Panels
- Sits neatly on both surfaces for excellent sealing

**Efficient in Design.**

**Distinctive in Appearance.**

**Unsurpassed Quality and Value.**

Optimized Structural Design • Optimized Batten Seal Technology • Optimized Aesthetics
CST is committed to safe and secure construction practices using simple tools, lightweight materials and qualified personnel. With over 80 years of combined experience, CST has perfected its field erection practices by developing safe and proven construction methodologies that lower the chances for field errors, promote worker safety and reduce construction time.

The use of aluminum allows for unique structural sections (extrusions) to be designed to meet specific project needs. The performance characteristics of a design can be optimized for any petrochemical project.
CST Covers is the first choice for thousands of petrochemical applications worldwide. Always featuring all-aluminum construction, CST Covers products are lightweight, corrosion-resistant and maintenance free, which translates to longer life and lower costs. They don’t rust like steel, they don’t degrade with ultraviolet light like fiberglass, and they don’t spall like concrete. Their strength and versatility are unmatched.

Because CST Covers aluminum domes are pre-fabricated, field construction time and labor costs are minimal compared to alternate materials. A typical CST Covers dome weighs 2.5 pounds per square foot, just one-fifth the weight of a comparable steel roof.

**SAFE, LIGHTWEIGHT AND ECONOMICAL**

CST Covers stands behind its products with the following advantages:

### Safety
- Only simple tools and lightweight materials are utilized
- All construction can be achieved at ground level
- No welding required

### Capital Cost
- Lighter foundations/less civil work (foundations up to 20% lighter than for similar steel structures)
- Faster construction/lower labor costs
- Single source responsibility

### Construction
- Constructed in half the time of steel domes and 33% faster than competing aluminum domes
- Reduced labor requirements (up to 33% lower than for steel)
- Precision manufacturing eliminates field errors – all parts are match-marked for accurate installation

### Cost of Ownership
- Corrosion resistant
- Leak-tight
- Superior lifetime value
- Low maintenance
- No painting or re-coating
IDEAL FOR NEW CONSTRUCTION AND RETROFIT PROJECTS

Motet, Curacao
120 ft. diameter

Netherlands
Various sizes

Europoort
154 ft. diameter

Beaumont, TX
162 ft. diameter

Port Arthur, TX
265 ft. diameter

St. Eustatius, Netherlands
Various sizes
With multiple offices around the world, CST is poised to provide the best and most timely customer service regardless of the project location.

Go to www.cstcovers.com for information on sales service offices.