

## ALUMINIUM DOME ROOFS FOR STORAGE TANKS

*The lightweight economical covering solution is ideal for covering steel external floating roofs, as cover for new tanks or even for replacement of the more traditional steel roofs on storage tanks. CTS offers a full solution from engineering to supply and installation, which is the only way to truly get all benefits domes have to offer. With over 1,500 domes supplied worldwide CTS is the leader in engineering supply and installation of these state of the art covering solutions.*

### Aluminium domes, standards and safety

Our aluminium domes are fully compliant with API 650, EN14015, EN 1991 and EN 1999 and EEMUA 159.



### Engineering

During the engineering phase our team of engineers will review local load requirements and all combinations (Live-, wind-, snow-, seismic load etcetera). Also safety aspects are taken into consideration, this includes ATEX and NFPA. Completely in line with our sustainability vision all emission requirements will play a major role in the decisions we make in the design phase.

### Solutions

- Clear span
- Light weight
- Reducing the effect of the elements (sun, rain, wind and lightning)
- Effectively reduces emissions from storage
- Reduced waste and chemical use during installation
- Minimal total cost of ownership
- Can be adjusted for any possible climate
- Eliminates the need for roof legs in internal floating roofs when using suspended IFR

### Highlights

- Truly maintenance free
- Short installation time (shortest in the market) with experienced crews
- Low total cost of ownership
- Guaranteed water tightness
- Turn key solution. engineering, supply and installation
- Maximised service life (more than 50 years)

## ALUMINIUM DOME ROOFS

### Some of our international customers using aluminium domes

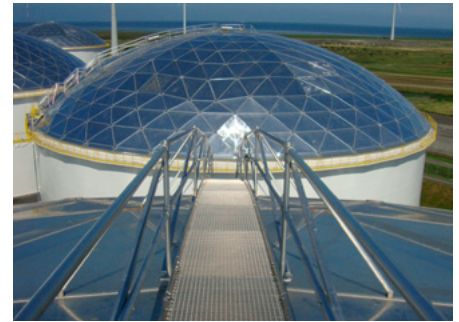
- AGIP
- ARAMCO
- Bolloré
- BP
- BP Amoco
- BP/Engen
- Caltex
- Chevron
- CITGO Petroleum Corporation
- Colonial Pipeline Company
- Conoco, Inc.
- Ecopetrol
- ENOC
- ExxonMobil (ESSO)
- GALP
- GATX
- Gunvor Petroleum
- LBC
- KNPC (Q8)
- Marathon Oil Company
- Odfjell
- Oiltanking
- PDVSA
- Petronas
- Phillips Petroleum Company
- Shell (Royal Dutch Shell Group)
- Rubis
- Tankstore
- Texaco, Inc.
- TTT
- Vopak
- VTTI (Vitol)

### Sliding bearing

As a standard our aluminium domes will be equipped with a sliding support on a low friction PTFE (Teflon®) pad. This will reduce reaction forces on the top of the tank.

### Water and vapour tightness

Aluminium Domes can also be built fully vapour tight. Generally a dome is installed as a free vented roof, it is possible supply a dome suitable for Nitrogen blanketing or internal pressures up to 9" (230mm) water column.



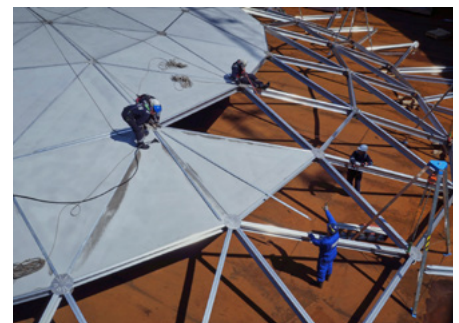
Domes eliminate rain water ingress and reduce hazardous emission.

### Support and assistance

If this datasheet triggers more questions our team of experts will be always available to support and assist you in selecting the optimal solution for your specific application.



Vopak Amsterdam terminal, aerial view.



Corroded steel roofs are economically replaced by aluminium dome roofs, even on tanks in service!

All our product information and specifications are drafted with extreme care but can be subject to change. We reserve the right to change product specifications.

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**CTS GROUP**  
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