



SHELTER STRUCTURES

AIR DOME



About Us



Shelter Structures' Brand Introduction

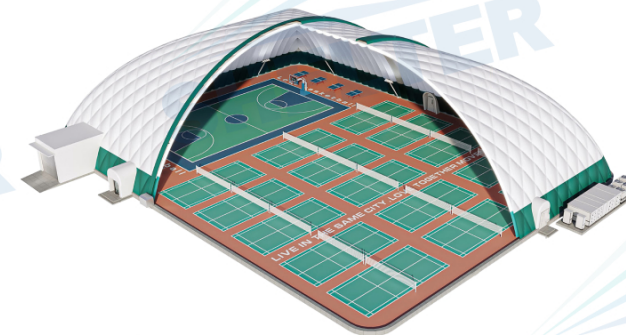
Shelter Structures was founded in 2003 and has evolved into a global leader in the prefabricated structures industry over 20 years. With a mission to pioneer sustainable development in construction, Shelter Structures has made significant strides in innovation and product development. Nowadays, we supplied tents all over the world and has supported the Olympics, Benz, BMW and many major events and international corporations



Air Dome

The air dome uses the air pressure difference between the inside and outside of the membrane to create tension, which makes it stable form and bear capacity. With lightweight membrane structure, it can be set up quickly. In addition, air dome adopts eco-friendly fabrics and PV membrane technology to reduce dust and pollution. It's now widely used in industry and stadiums.

Accessories



Door Options

- Revolving Door
- Emergency Exit door

Reinforcement System

- Steel Cable System
- Anchor System

Smart System

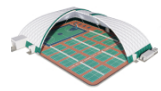
- Smart Controlling System
- Powered Inflation System
- Intelligent Snow Removal System
- Security Alarm System

Other Accessories

- Air Conditioner
- Lighting
- Insulation
- Entrance Ramp

Features

- Large span air dome structure without internal poles to achieve 100% space utilization
- Easy to build with lightweight membrane structure and it takes only 10 days to install
- Fully intelligent control system from backup power system to remote real-time monitoring
- The reticular steel cable system is capable of withstanding category 16 typhoons and extreme snowstorms
- Adopt the eco-friendly material and PV membrane technology to reduce pollution

Air Dome	Main Materials	Structure Options	Span (m)	Length (m)	Max Wind Load	Max Snow Load
	High Strength PVC/ PVDF Coated Fabric	Air Supported Dome Structure/ Tube Dome Structure/ Air-cushion Dome Structure/ Air-inflated Dome Structure	20-60	50-120	0.65 kN/m ²	0.4 kN/m ²

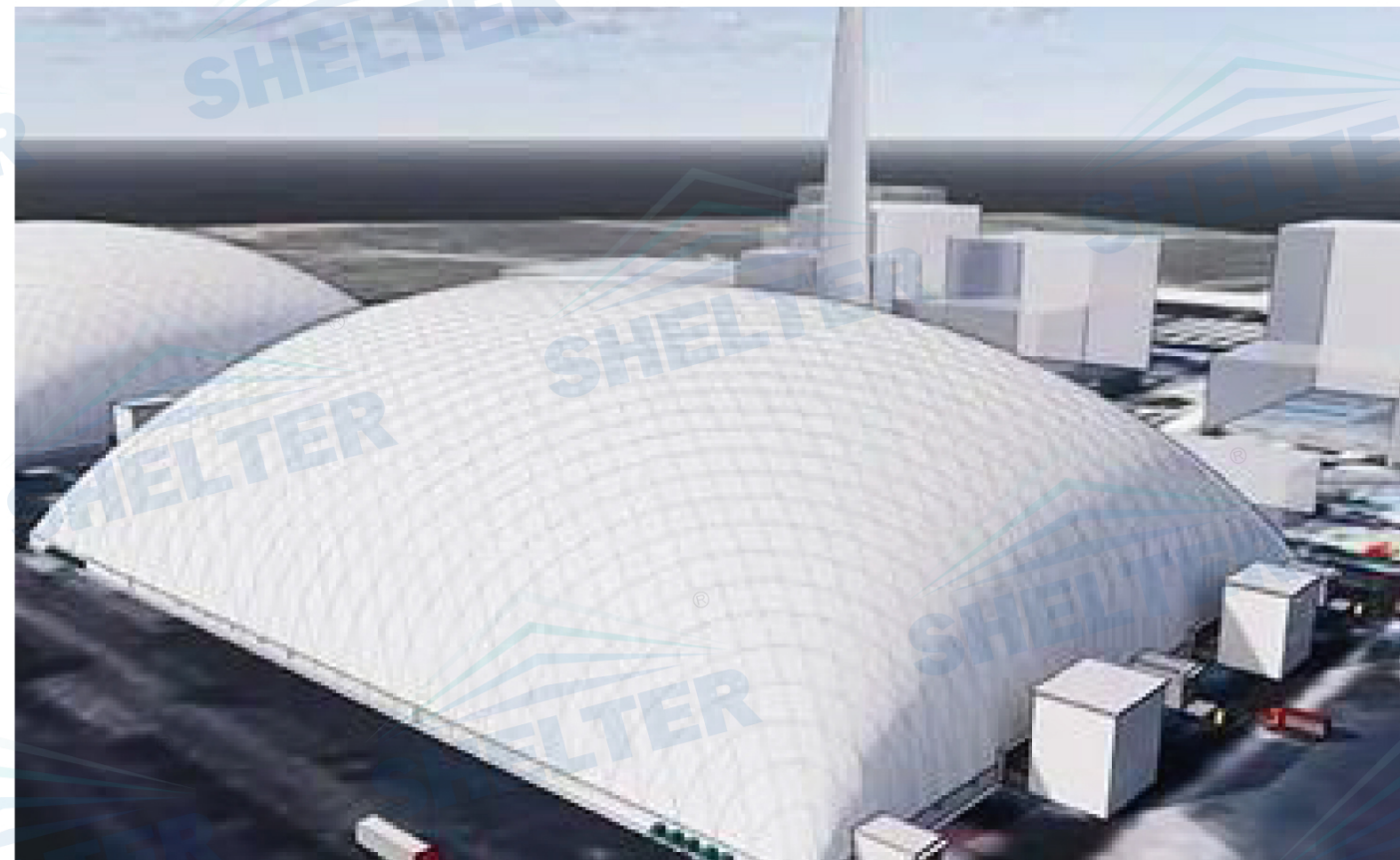




Ordos Air Dome Coal Shed

Location: Ordos, Inner Mongolia, China

Sector: Event Wedding Party Tent



Eco Island Contaminated Soil Treatment Center Inflatable Air Dome

Location: Beijing, China

Sector: Soil Remediation + Waste Gas Treatment



Changsha Contaminated Soil Remediation Closed Air Dome

Location: Changsha, Hunan Province, China

Sector: Soil Remediation



Shanghai Jincui Experimental Middle School Air Dome Gymnasium

Location: Shanghai, China

Sector: Badminton Court + Fresh Air System

Our Belief >>

Tailor-Made Solutions Make Space Valuable



Shelter Structures

Shelter Structures is dedicated to providing globally leading outdoor space solutions, mainly producing high-quality temporary and semi-permanent modular tent systems, widely used in various outdoor festivals, commercial events, sports venues, industrial storage, military, and disaster relief areas.



Glitzcamp

Glitzcamp specializing in outdoor tents and holiday homes manufacturing, mainly serving tourism real estate, RV camps, cultural and tourism towns, etc., capable of meeting personalized customization needs and providing efficient and beneficial tourism housing solutions.



Shelter Dome

Shelter Dome focused on offering high-quality outdoor living solutions, combining comfort, functionality, and eye-catching exterior design in one, exploring the luxury star tents of fashion trends. Its unique shape and strong adaptability have made it the go-to choice for exquisite camping, unique hotel development, and luxury camping.





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