

SPORT DOME COVER SYSTEMS

2018





Decide for our modular - state of the art - SPORT DOME & SPORT COVER SYSTEMS
and care for a fullyear operation season of your existing or new outdoor sport facilities
- in a new and individual shape.



SPORT DOME STRUCTURES | till 40m span

COVER SYSTEMS | till 75m span

TENT STRUCTURES (Dome & Wave tent | Lightweight building construction | Gable tent)

HIGH ADJUSTABLE FLOORING SYSTEM - STOREY SYSTEM

SPECIAL STRUCTURES

Differentiation through

- ° Individuality
- ° Safety (Wind load of up to 100 km/h)
- ° Technology & Know - How
- ° Design & Room height
- ° Incomparable structures
- ° Hanging Loads up to 500 kg / point
- ° Modular systems
- ° and much more

Quality Characteristics

- ° In-house aluminium production line - Headquarters
- ° In-house tarpaulin production and assembly
- ° Long-time know-how in planning and design
- ° Large storage for all kind of tent sizes and flooring systems



SPORT DOME C1 - C3

Type of Membranes

- ° Available in opac white | white translucent | transparent | black
- ° Membranes made of high-gloss PVC material, according to DIN 4102 B1 (flame-retardant, water-repellent and UV-resistant)
- ° Sandwich plate elements 40-60mm
- ° Real glass panels
- ° On Request:
 - Membrane combinations (f.ex.: white outside & black inside)
 - Brandings (full or partial surface)

Rigging Points (Hanging Loads)

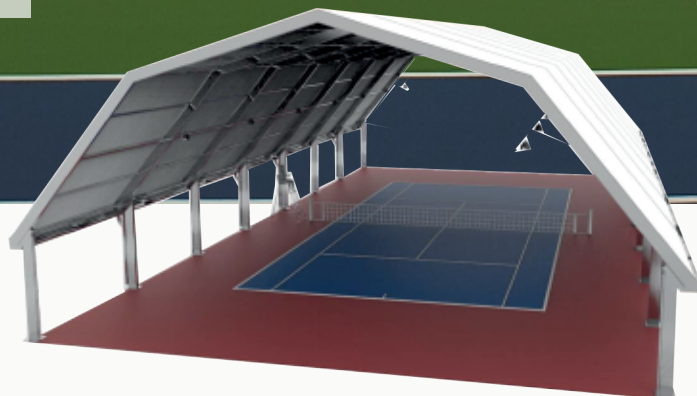
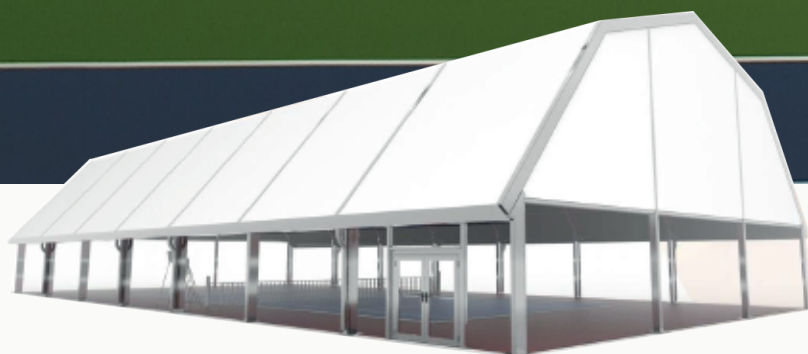
for Light-, Sound-, & Video technology, Decoration elements up to peripheral devices of Air conditioning & heating systems

SPORT DOME

- * 18 x 36m SPORT Dome = 120 kg / point (2)
- * 36 x 36m SPORT Dome = 150 kg / point (2)
- * 36 x 54m SPORT Dome = 200 kg / point (2)
- * possible span = 18 to 40m (width) | 36 to 200m (length)
- * individual buildable
- * Sport Dome structures can be adapted to the local conditions

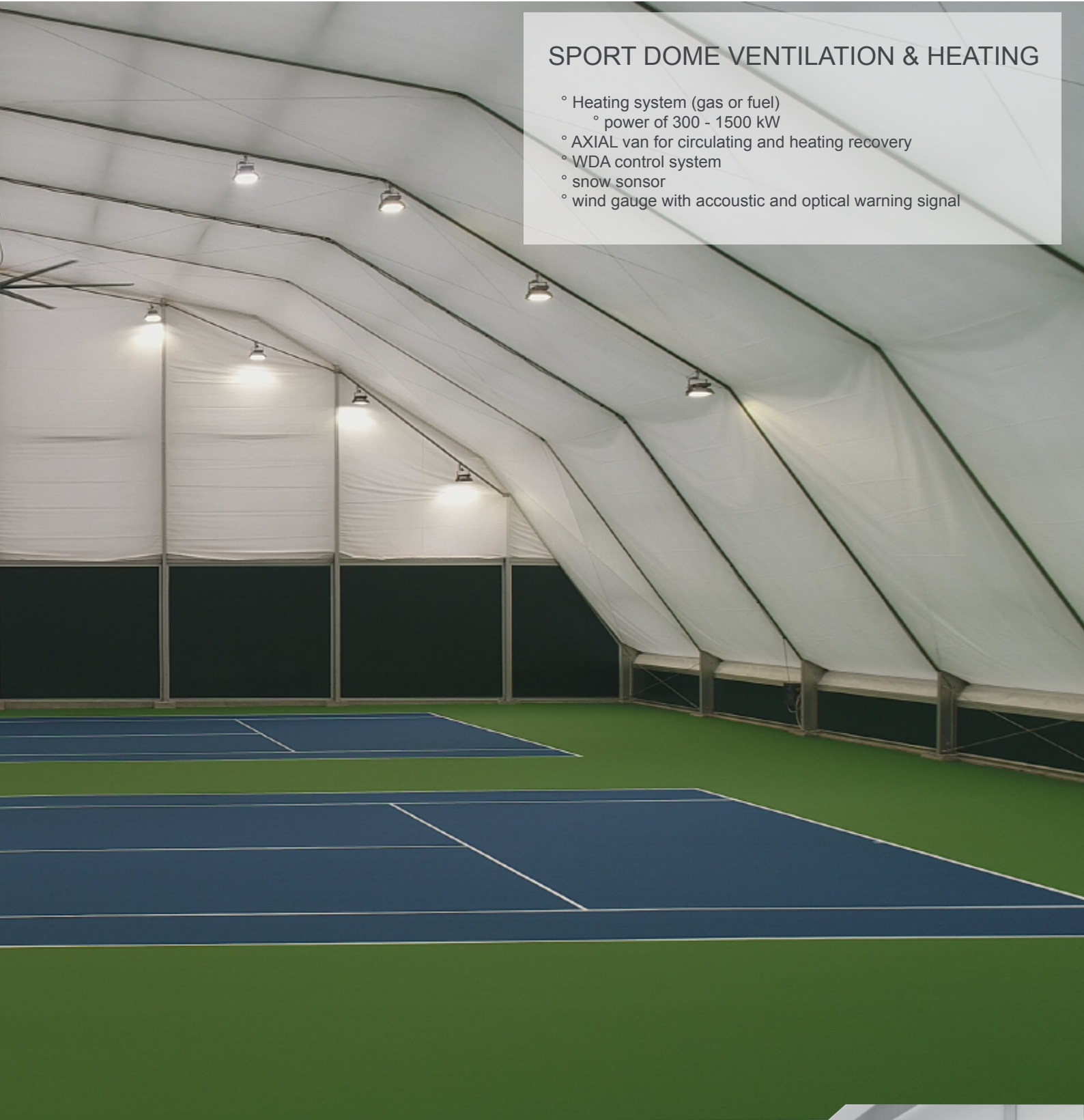
WAVE STRUKTUR

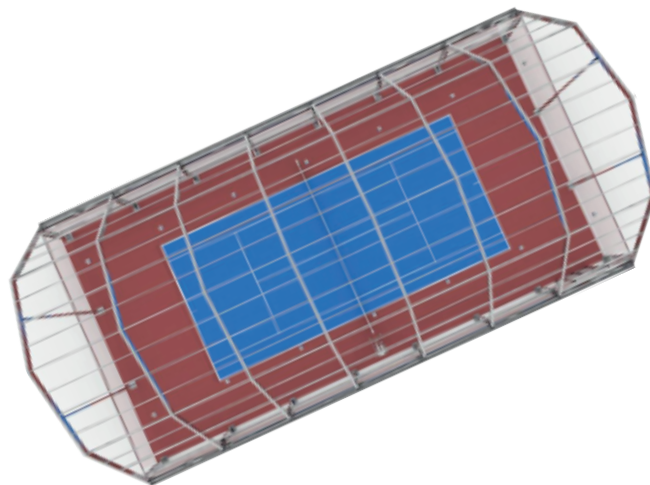
- * 55m WAVE = 500 kg / point (3)
- * 75m WAVE = 500kg / point (3)
- * possible span = 50 to 70m (width)
 - this structure can be extended alongside in a 5m grid
- * COVER SYSTEM (WAVE structures) can be adapted to the local conditions



SPORT DOME VENTILATION & HEATING

- ° Heating system (gas or fuel)
 - ° power of 300 - 1500 kW
- ° AXIAL fan for circulating and heating recovery
- ° WDA control system
- ° snow sensor
- ° wind gauge with acoustic and optical warning signal





The SPORT DOME of IRMARFER | modular. year-round.

Decide for our latest generation of sport facilities cover system - our IRMARFER SPORT DOME (tennis, football, basketball, universal, ...) thus ensure a year-round operation of your sports fields. This is made possible by the summer operation completely removable side and front side elements which creates an outdoor feeling and protects the game operation against bad weather.

The IRMARFER SPORT DOME can be designed for single or multiple playing surfaces.

(Spans 18 - 40 m, 55 - 75m / length 36 - 200 m or individually buildable)

STRUCTURE

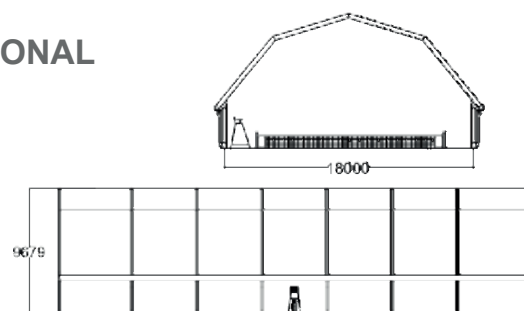
- ° Available dimension 18 x 36m
 - * eaves height of 1 - 4m
 - * ridge height of 10,7 - 16m
- ° If necessary, the size of the structure can be adapted to the local conditions
- ° Double roof membrane
- ° Type of Membrane: opac white | transparent
- ° The side panels (side | end faces | upper end faces) can be isolated with sandwich panels 40-60mm.
- ° Water discharge with downpipes

SUSPENSION POINTS

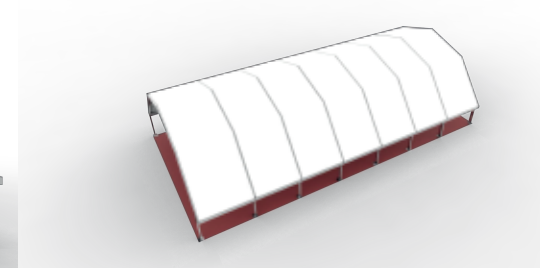
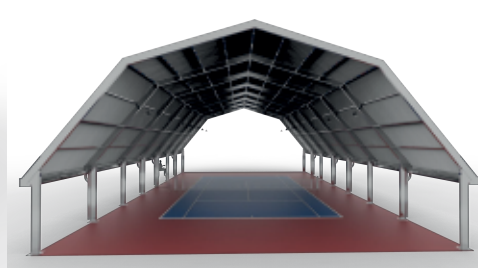
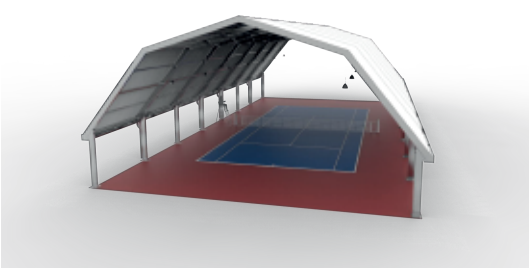
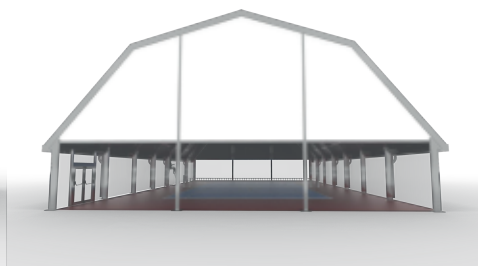
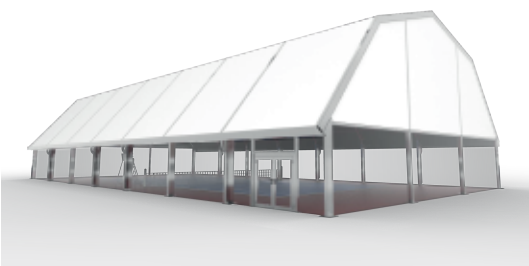
max. hanging loads:

- ° ca. 150 kg / point

DIMENSIONAL SKETCH



SPORT DOME SOLUTION



FULL-YEAR OPERATION. SUMMER. WINTER. SAFETY. DESIGN.



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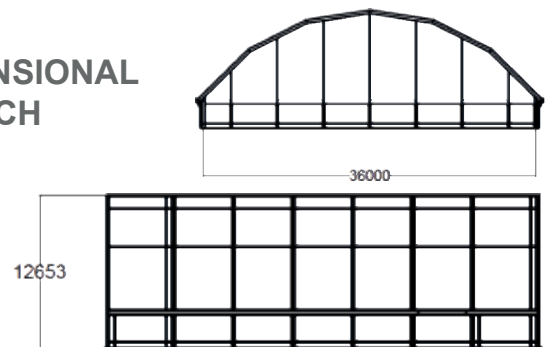
STRUCTURE

- ° Available dimension 36 x 36m
 - * eaves height of 1 - 4m
 - * ridge height of 10,7 - 16m
- ° If necessary, the size of the structure can be adapted to the local conditions
- ° Double roof membrane
- ° Type of Membrane: opac white | transparent
- ° The side panels (side | end faces | upper end faces) can be isolated with sandwich panels 40-60mm.
- ° Water discharge with downpipes

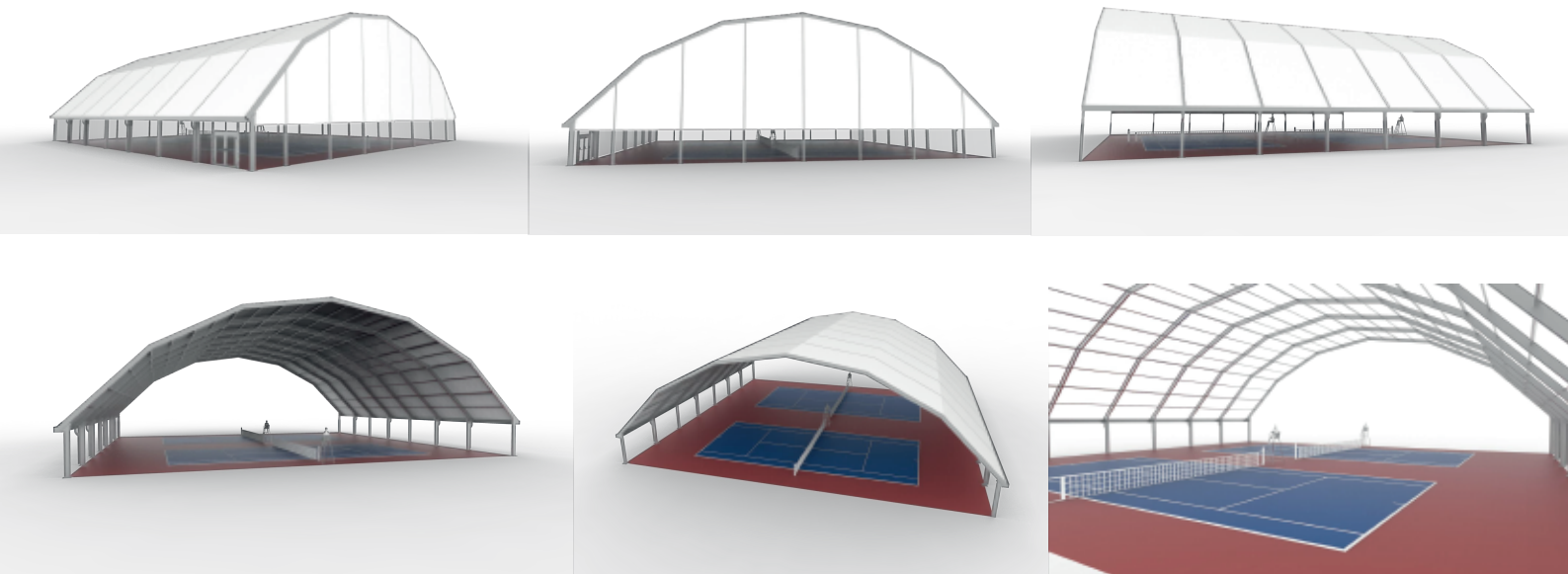
SUSPENSION POINTS

- max. hanging loads:
- ° ca. 300 kg / points

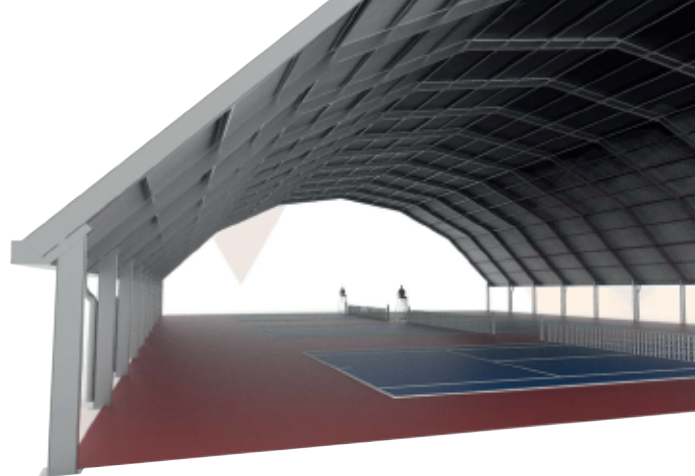
DIMENSIONAL SKETCH



SPORT DOME SOLUTION



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(Spans 18 - 40 m, 55 - 75m / length 36 - 200 m or individually buildable)

STRUCTURE

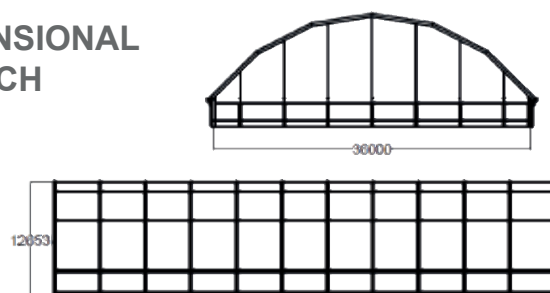
- ° Available dimension 36 x 54m (continuous)
 - * eaves height of 1 - 4m
 - * ridge height of 10,7 - 16m
- ° If necessary, the size of the structure can be adapted to the local conditions
- ° Double roof membrane
- ° Type of Membrane: opac white | transparent
- ° The side panels (side | end faces | upper end faces) can be isolated with sandwich panels 40-60mm.
- ° Water discharge with downpipes

SUSPENSION POINTS

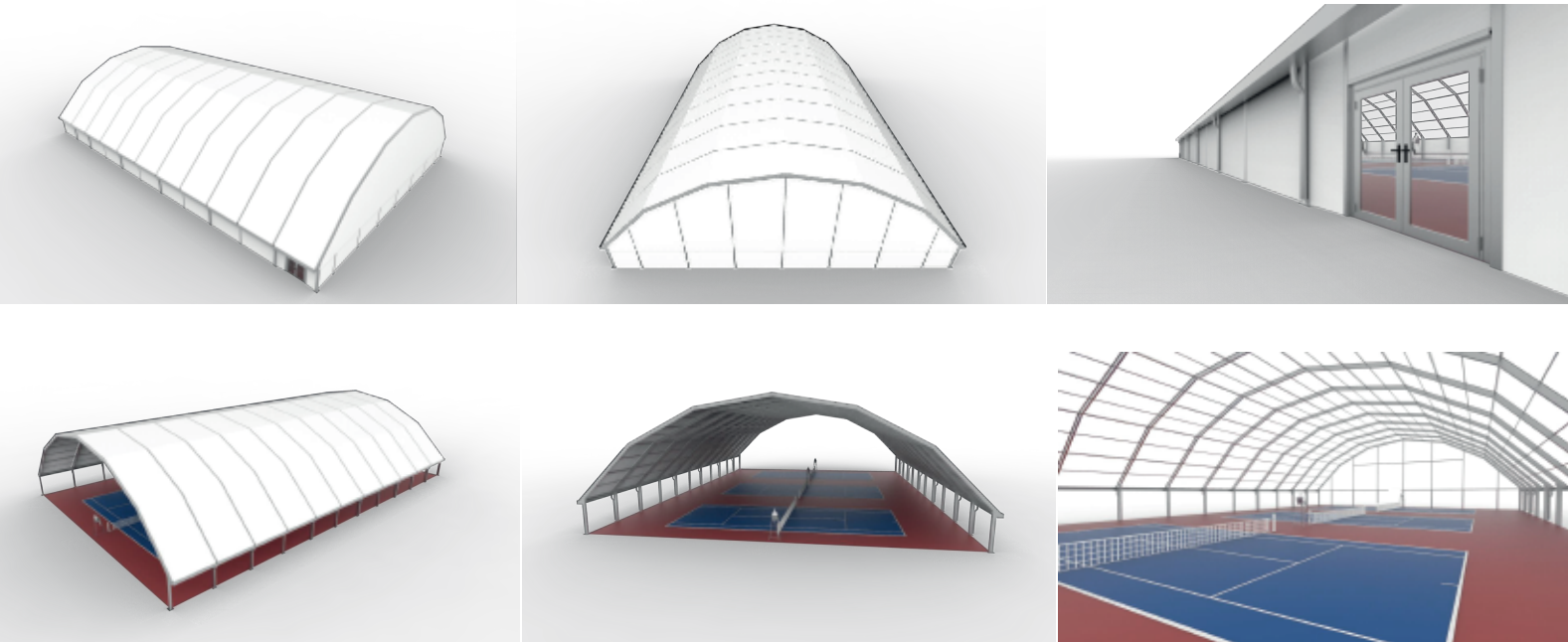
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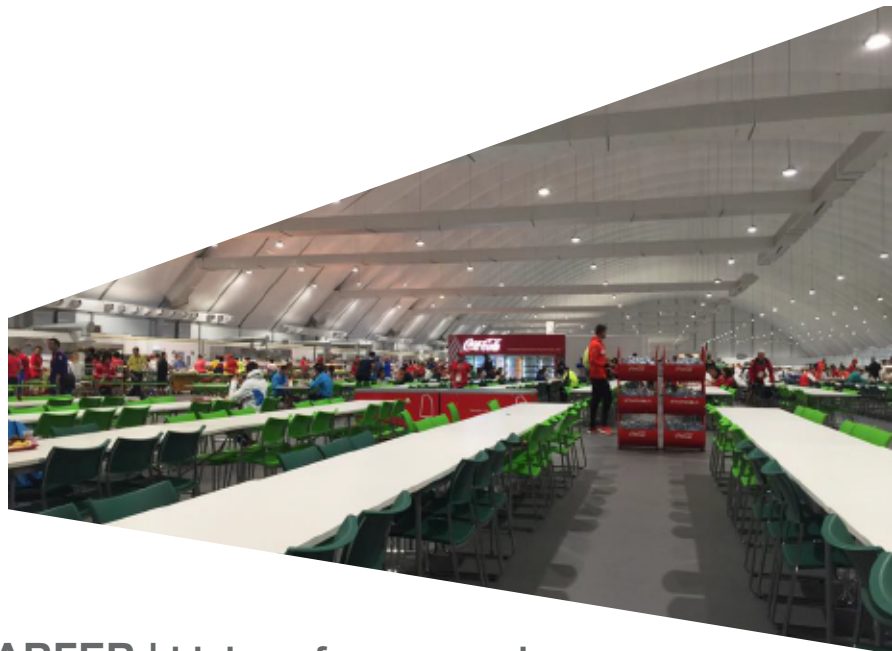
DIMENSIONAL SKETCH



SPORT DOME SOLUTION



FULL-YEAR OPERATION. SUMMER. WINTER. SAFETY. DESIGN.



The WAVE STRUCTURE of IRMARFER | high performance. shape.

The Wave structure is unique in technology and design and stands out with impressive technical data in terms of ceiling height and suspension points at the roof. The Wave structure has been designed to meet the requirements of 40 - 75m span widths and will be used mostly in following areas: Trade fairs, Festivals, Major Events, Sport facilities up to the Constructions Industry.

INDUSTRIES

- ° Cover system for sport facilities:
 - * Tennis
 - * Football
 - * Soccer
 - * universal training center
 - * and more
- ° Major Events
- ° Music Festivals
- ° (temporary) Fairs
- ° Building Industry
- ° Sport Events

STRUCTURE

- ° The polygon structure can be extended alongside in a 5m grid
- ° Ridge height: WAVE 45 = 15,8m | WAVE 55 = 18m | WAVE 75 = 22m
- ° State-of-the-art technology & design
- ° Optical attractive constructions form
- ° Compatible with our adjustable flooring system

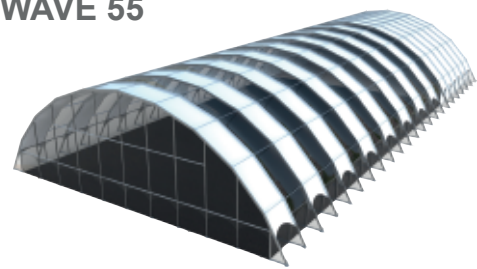
TRAGLAST

- Maximum load of suspension points: (for Riggings)
- ° WAVE 45m span: 300 kg / point- per arch approx. 1.500 kg
 - ° WAVE 55m span: 500 kg / point- per arch approx. 3.500 kg
 - ° WAVE 75m span: 500 kg / point- per arch approx. 3.500 kg

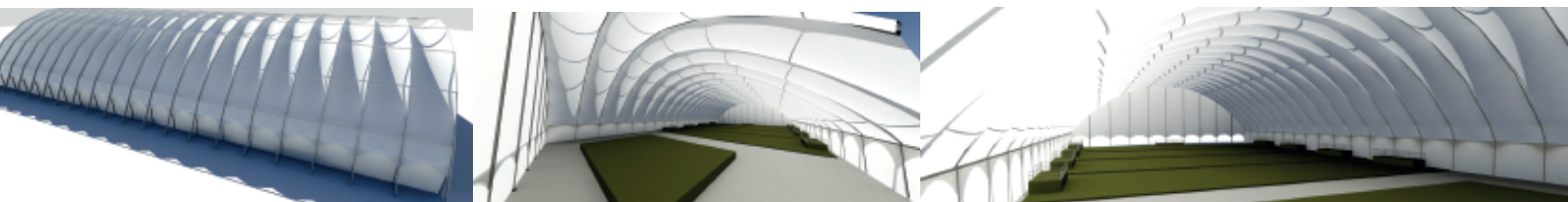
TYPE OF MEMBRANE

- ° Standard: opac white
- ° On Request: white translucent | transparent | black | Membrane combination (white outside - black inside)
- ° Sandwich plate elements 40-60mm
- ° Real glass panels
- ° Membrane made of high-gloss PCS material, according to DIN 4102 B1 (flame retardant, water-repellent and UV-resistant)

RENDERING WAVE 55



DIMENSIONAL SKETCH WAVE 55





DECIDE FOR OUR CAREFREE AIR CONDITIONING & HEATING SYSTEM -
YOUR PROJECT - OUR MISSION!



Wecotherm

WE DELIVER EXPERIENCE - COMBINED WITH THE LATEST TECHNOLOGY

Mobile climate & heating technology:

- ° For all types of tent halls
(Gable | Igloo & Dome tents | Tents with polygon roofs and much more)
 - > Heating technology from 25 - 700 KW heating power per unit incl. WDA control for ideal heat recovery
 - > Air conditioning technology from 15 - 70 KW cooling capacity per unit
- ° For industrial and warehouse halls
(temporary construction halls gable or polygonal construction, existing industry and warehouses)
 - > Heating technology from 150 - 700 KW heating power with WDA control for ideal heat recovery
- ° Mobile hot water central heating
 - > 900 KW power on swap body container
- ° Industrial heating & cooling
for high storage and industrial halls of every type | Retrofitting of a heat recovery technology
for halls with high altitude and existing heating systems
- ° On Request, individual heating system construction

RENTAL & SALE

Conventional and individual plant production
Our heaters convince with their high condensing efficiency and efficiency of 97%
Heating cost savings through our state-of-the-art plant and combustion chamber technology
Quick and easy installation for temporary use in the events
Even warm air distribution in the tent | Hall | Building ...
Heat recovery through heat difference compensation
The systems are user-friendly, service and low maintenance

-
- ° Save up to 40% heating costs compared to conventional systems
 - ° Optimal air distribution (permanent fresh air supply)
 - ° and much more ...

REFERENCES

CLIENTS & PARTNER WHO TRUST IN OUR ABILITY



temporäres Heizungskonzept (ATP 500 Vienna)



Fixinstallation Heizung (GAS)



GET IN TOUCH

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