

rgb arena



RGB Arena is a unique pavillion that provides spacious temporary home for your event at any location



INTRODUCTION

RGB Arena is a unique structure that provides ideal venue for conferences, exhibitions, receptions, corporate, media and music events.

The pavillion has curved roof and stylish glass-isopanel facade, which make the structure look more like a permanent building. Arena can be equipped with floor, ventilation, heating solutions and walkways.

With homebase in Tallinn, Estonia, the structure is available for rent for events across Europe.



Construction ↑↓

The 30 metre-wide main frames of arena are built from modular aluminum beams, which are erected at three metre interval. One metre high and three metre wide glass and isopanel facade modules attach to the main structure. There are equal amount of glass and isopanel modules, so usually one shorter and one longer wall are covered with similar facade panels.

The height of side walls is 4,2 metres and the center 8,6 metres. Roof and gable triangles have white PVC covers.

RGB Arena has been specially designed to be safe to use also in nordic climate. Its roof has 18 degrees angle which helps to reduce snow accumulation. Small spacing of the main frames provides additional snow loading capability.

Doors

Arena has one automatic and three manual two-sided glass doors. Similar to the facade, door frames are dark gray.

Manual doors can be placed at any location except the position of tension cables. Doors are equipped with shutters and evacuation locks.

The automatic door fits on the side of the structure at any location, except the corners and the position of tension cables.



Floor ↑

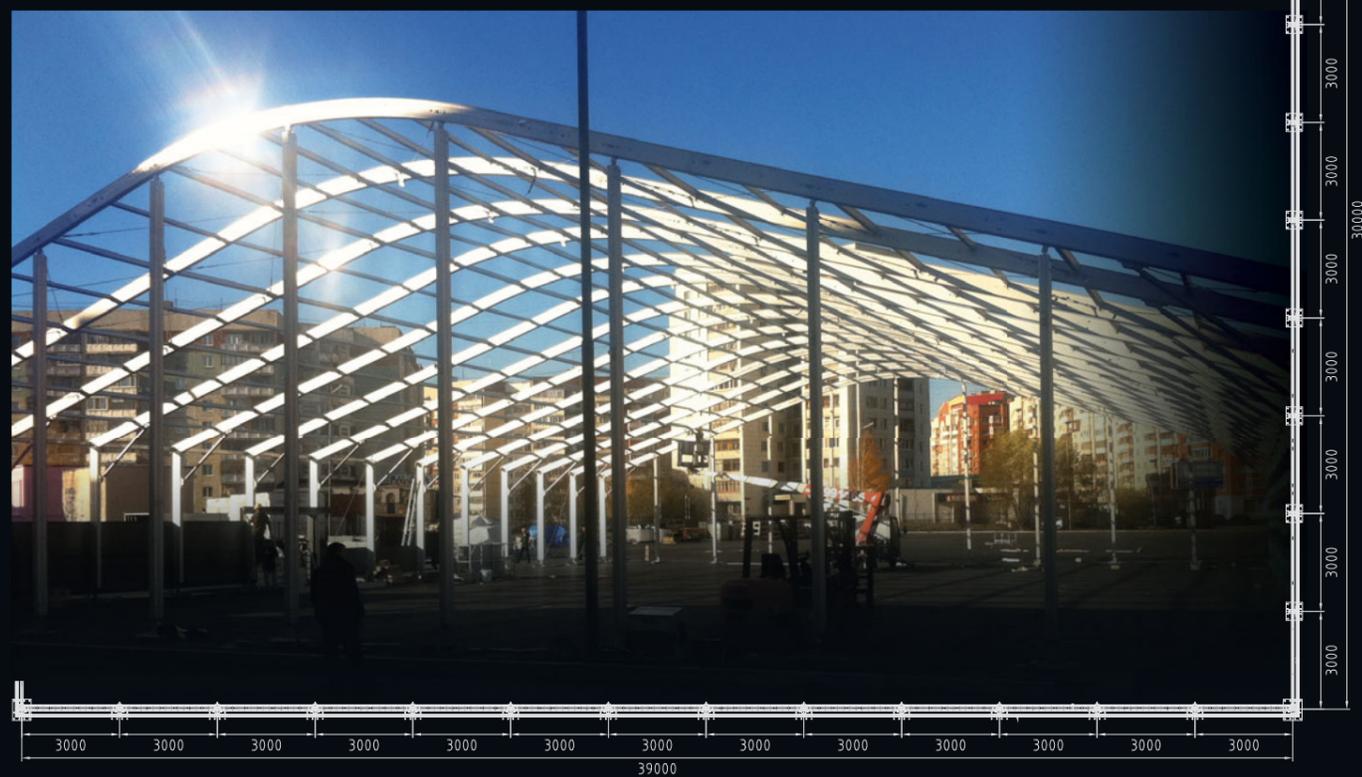
The floor modules are built from waterproof plywood that are strenghtened with metal spars and attach to the main floor beams.

According to the preference, floor can be coated with carpet or left uncovered – its sleek and even also without being covered.

As the floor modules have additional metal spars to increase their strenght. The allowed maximum load is 500 kg per square metre.

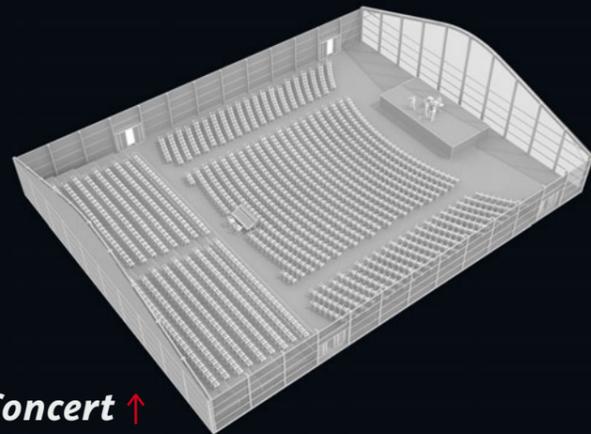
Size options →

The width of the structure is 30 meters. As its length builds up from a number of frames, it can be erected in various sizes between 30x15 m (450 square meters) and 30x39 m (1170 square meters).



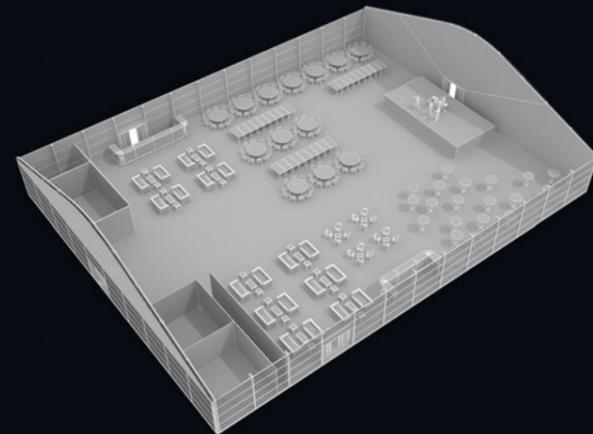


EXAMPLE LAYOUTS



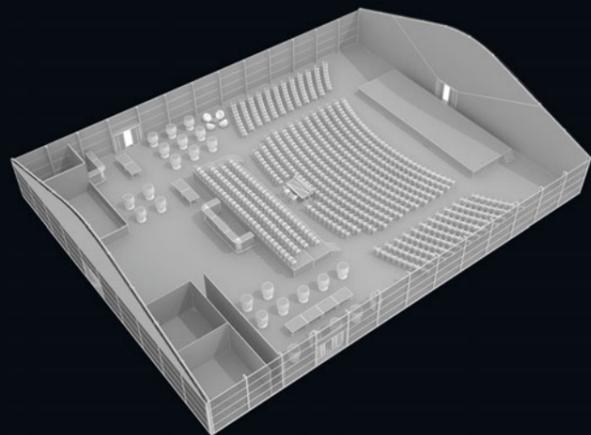
Concert ↑

- 1245 seats
 - 70 square metre stage (d 7 m, w 10 m, h 1 m)
 - no restrooms, wardrobe or backstage area inside the arena
- Concert example illustrates the layout for maximum audience capacity. The restroom and wardrobe facilities are situated outside the arena, thus making it possible to seat up to 1460 people.



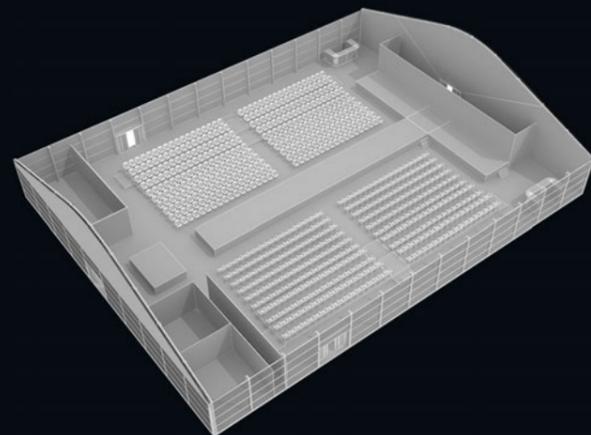
VIP reception ↑

- reception for 300-700 guests
- 50 square metre stage (d 5 m, w 10 m, h 0,8 m)
- areas with stand-up tables and sofas
- includes spacious restrooms and wardrobe



Conference ↑

- 700 seats
- 70 square metre stage (d 5 m, w 16 m, h 0,8 m)
- includes large refreshing area with standing tables and buffet
- includes spacious restrooms and wardrobe



Fashion show ↑

- 48 square metre stage (d 3 m, w 16 m, h 0,8 m)
- 40 square metre catwalk (d 29 m, w 2 m, h 0,6 m)
- 48 square metre backstage (d 3 m, w 16 m)
- includes spacious restrooms and wardrobe

EXTRAS

Heating and ventilation ↑→

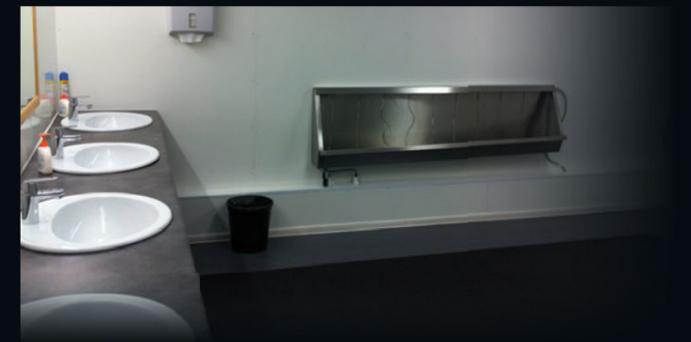
Arena interior can be kept cozily warm also at freezing temperatures reaching -25°C . Heating is provided by 185 kW diesel-electric heaters, placed outside the end wall of the arena. Up to four heaters are used simultaneously. Our modern Thermobile heaters make minimal noise and guarantee zero fumes emission to the interior. Heating distribution and ventilation is solved with special fabric duct system, consisting of white fabric tubes connected to the heaters. The heaters can also be used to circulate air without heating. Additionally, electric heat curtains are available for doors.



Restrooms →

Spacious restrooms can be built inside the arena, with their interior quality being equal to permanent facilities. Women's restroom has five cabins and five sinks, mens area is equipped with two cabins, two urinals and four sinks. All taps have warm water from built-in water heaters. There is even background music option available. Such restroom solution requires central water and waste connection availability.

Alternatively, we offer stand-alone restroom solutions for inside or outside the arena.



Walkways →

Walkways enable arena to be connected with another building or temporary structure and create a covered entrance for the structure. Similar to the pavillion itself, walkways have curved roof and dark walls. The size of a single walkway module is 3x3 meters, side wall height 2,4 meters and center height 3 meters.





Backdrop curtains

Special backdrop curtains are available for end-sides of RGB Arena. They follow the curved path of arena roof, thus giving a neutral setting for the stage. Backdrops are also available for the side walls, with semi-transparent backdrop option for the glass walls. All draperies are made of special non-flammable fabric and comply with international fire safety regulations.

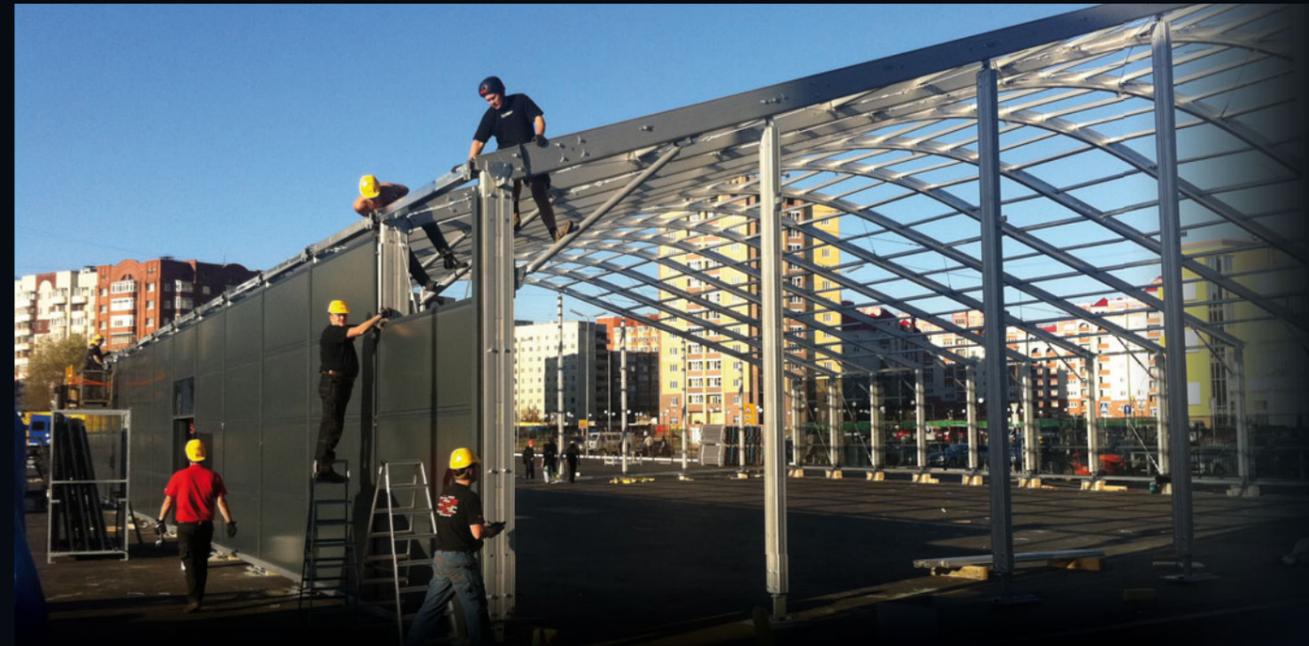
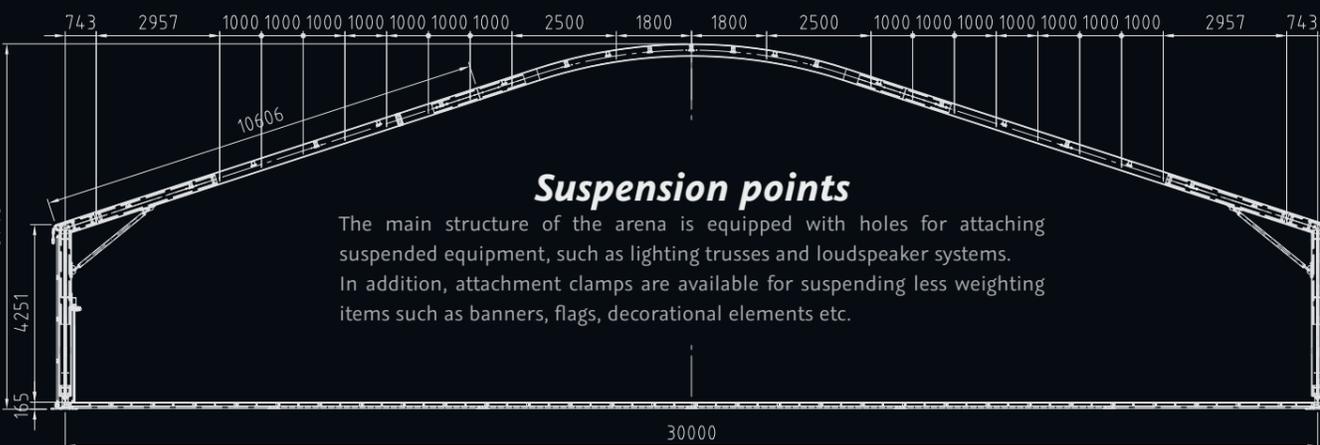
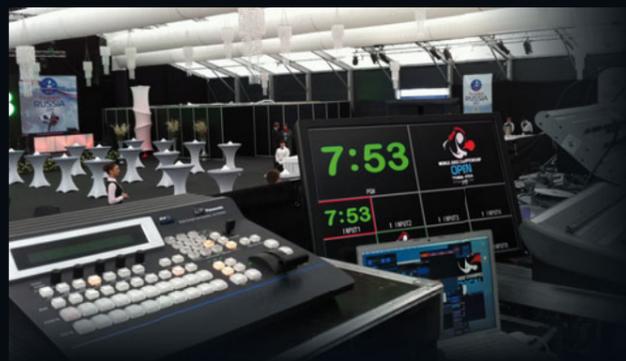
Emergency features →

RGB Arena has emergency lighting for the occasion of power loss. All doors are equipped with evacuation exit signs. Manual doors have panic levers, which allow evacuation when the doors are locked for outside access.

For fire safety and compliance with regulations, RGB Arena is equipped with powder fire extinguishers.

Audio-visual equipment and furniture ↑ →

As a leading event technical production company, RGB can provide top quality video-, audio and lighting solutions, stages and power distribution equipment for your event. In cooperation with our partners furniture, exhibition equipment and decorative elements are available.



INSTALLATION

Requirements for the ground

RGB Arena can be built to on has hard surface with up to 60 cm height difference. If it is necessary to build the structure on a location that does not comply to these requirements, a special scaffolding base needs to be built.

For attaching arena firmly to the ground, earth anchors need to be used. Each base plate of the structure is fixed with several one metre long earth anchors. When installed according to the requirements, arena will be safe to use with windspeeds reaching 100 km/h.

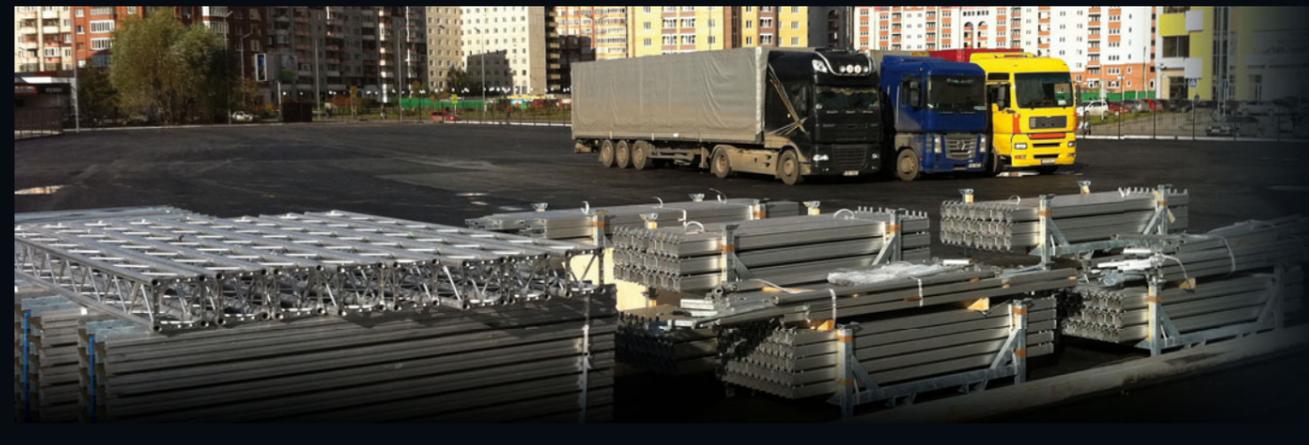
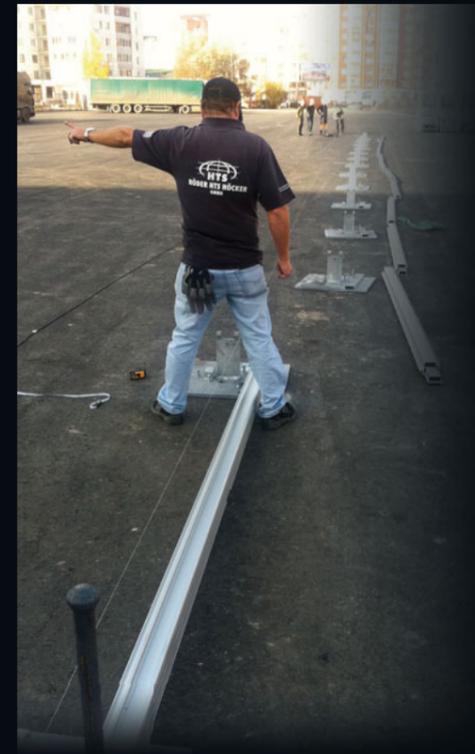
Set-up and dismantle procedures ↑ →

Special lifting equipment is required for building and dismantling the structure. Erection of full sized arena takes four days. Three days are needed for dismantle. Installation team consists of 8 workers and 2 supervisors.

Installation process begins with measuring the square and defining exact position of the structure, followed by erection of the main structure. For this, forklifts and a crane are used. When the frame is complete, work starts with installation of the floor beams and modules, facade elements and doors. Finally roof covers and gable triangles will be put to place.

Transport ↓

Five trailers are needed for transporting the full size structure. Two forklifts are needed for loading the elements.



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Investing in your future



European Union
Regional Development Fund

RGB Baltic is an Estonian event technology rental and production company.

Having evolved from sound, light and video equipment provider, today RGB offers turn-key production management with complete range of inventory and services including audiovisual technology, power distribution systems and temporary event structures.

