



CASE STUDY

Technical Production of
Judo Absolute World Championships
Tyumen Russia
2011

RGB Baltic Ltd







RGB Baltic provided complete production service for this major sport event, including technical production, tribunes, temporary structures, furniture, decorations, branding and all technical services.



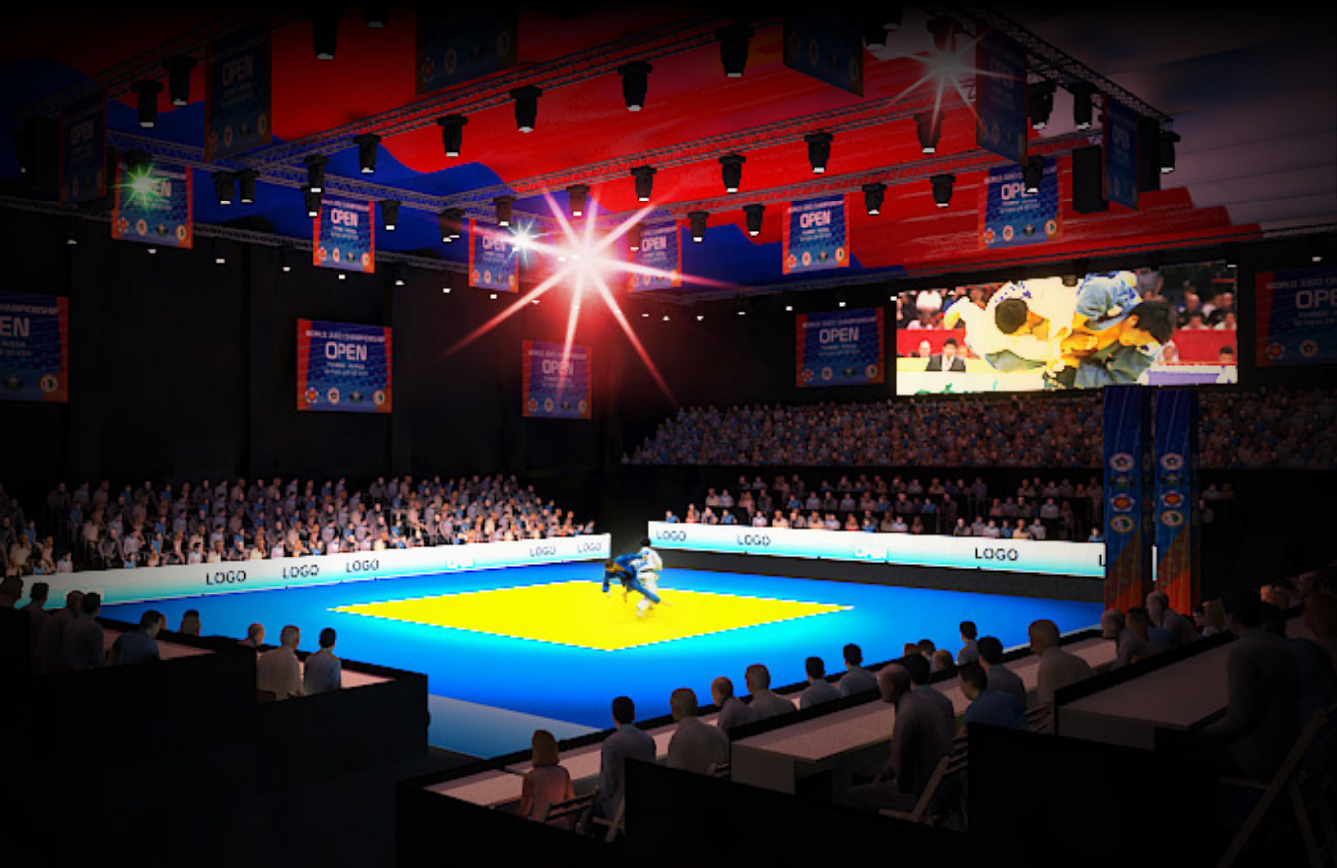
The aim of organizing the World Championships in Tyumen was to promote judo as a sport and the region as a whole by hosting a world-class sports event. Only once in 1983, had Russia held a judo competition of this magnitude. The Tyumen organizers were therefore honored to host some of the strongest athletes of the world and have strived to make the Championship in Tyumen one of the best in the history of judo competitions.

MISSION

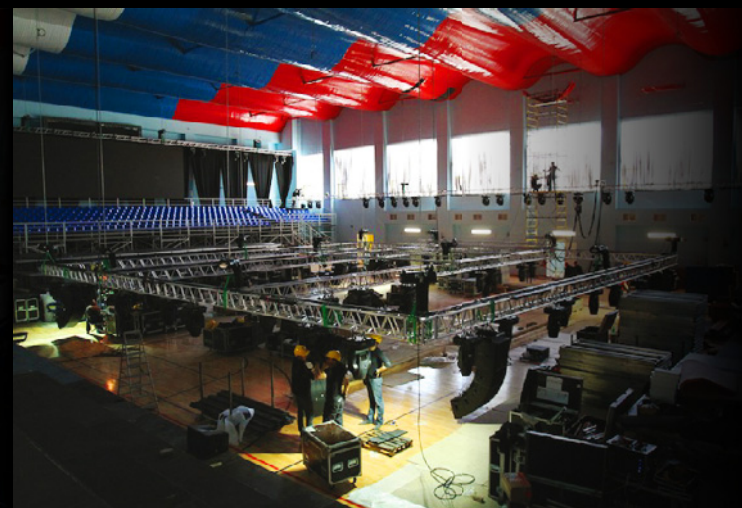
The primary goal of the production effort was to transform the local Judo Olympic Preparation Centre into a suitable venue for the World Championships. To achieve this, the local sports hall needed to be converted into a venue suitable for staging the international event. The arena was to have a central tatami for the championship and its opening ceremony, as well as four surrounding tribunals, which were to be divided between the press, members of International Judo Federation, referees and VIP guests.

In addition, space was needed for press conferences and a VIP reception. To fulfill this need, temporary structures had to be provided for the event in addition to the revamped main arena. The goal was to make the additional structures look like parts of the main building, to which they had to be connected via heated walkways. All rooms were to be decorated and branded according the approved schemes while maintaining aforementioned goal of making them look like parts of a singular main structure.

Full scale technical production was to be provided for the event confirming to the standards of international television and media as well as the Judo Federation requirements. This included sound, light and video production, multimedia feed sharing, IT solutions, press workplaces and provision of temporary power distribution.



MISSION



A 17x17 m, square tatami was built from a scaffolding base and stage modules. Two rectangular lighting trusses were suspended from the main arena ceiling - one above the central tatami and another around the perimeter of the arena. The walls were covered with black fabric. Tribunes were built at all four sides of the tatami to seat 1400 people. They were covered with carpet and cloth, equipped with soft chairs, hand rails, stairs and ventilation openings. The arena was decorated with championship banners and flags.



ARENA



OPENING



Video: EKTA LED modules, Absen LED modules, Panasonic plasma displays and video controllers

Lighting: Martin MAC2000 and MAC301 moving-heads, Robert Juliat follow-spots, Avolites Pearl Expert consoles

Sound: QSC KLA12, KLA181 and K8 loudspeakers, Yamaha LS9-32 digital audio console, Shure UR4 wireless microphone systems

Proel truss / CM Lodestar hoists

Showtex molton

Baltic Stages podiums

ARENA KEY EQUIPMENT



A temporary structure with floor space of 1170 m² called the RGB Arena, was built for the VIP guests of the competition. This 30x39 m structure has 30m frame width, curved roof beams and 3 m frame spacing for additional snow loading capability. The facade of the RGB arena is covered with glass and isopanel modules, giving the structure a unique classy look more similar to a permanent building. The floor was built of cassette plywood floor modules and covered with carpet.



VIP AREA



The temperatures of the inside/indoors needed to be more than 22 °C with expected outdoor/environment temperatures reaching -20 °C (-16 °C was actually registered during the event). Fabric ventilation tubes and three 185 kW diesel-electric heaters were used for heating and heat distribution. Two restrooms were built using wall modules that were prepared before leaving for Tyumen.



VIP AREA



VIP AREA



The overall interior was equipped with a 50 square meter stage, backstage, wardrobe, backdrop curtains on all the walls, furniture, sound, lighting and video equipment.

VIP AREA



A 20x40 m tent with hard walls was erected for hosting the press events and providing an area for the press members to relax.

MEDIA AREA



The structure was equipped with restrooms, heating, lighting, furniture and decorations and all necessary technical equipment, including booths for six simultaneous translations. Sound equipment was used for sound reinforcement, and audio feeds in several languages were provided for the cameras.



MEDIA AREA



The tent was connected with a walkway to the press working area in the main building, which was equipped with screens for viewing the competition; computers, telephones and multimedia feeds.



MEDIA AREA



• *Decorational lighting*



• *Hallway TV and audio*



• *Warehouse tent and place of TV vans*

Entrance tent

To provide a comfortable place of security and invitation control procedures for visitors, we built an entrance tent with measures of 6x12 m. It was equipped with three wide doors, floor and ramps. Security gates were installed inside the building.

Warehouse tent

There was a need for extra space for storing equipment racks and spare inventory. For this, a 20x15 m tent was built. Besides serving as a warehouse, it also provided a location for our small maintenance and repair shop for the occasion when something needs fixing.



• *Entrance tent*

ADDITIONAL STRUCTURES & SERVICES



Four synchronized 500 kW diesel generators were used to power the different areas of the event. Over four kilometers of multi-phase cables were used to supply power to all areas. Power distribution systems, cabling, cable covers and ramps were provided from RGB inventory with generators being supplied by the organizers.

POWER

- 19 truckloads of equipment were transported from Estonia to Siberia and back. One-way distance from RGB's Tallinn warehouse to Tyumen Judo Center was 3957 km, and took more than a week in driving time. Each item was packed to withstand long road abuse and all trucks had to be loaded with exactly the same list of equipment for their return journey as they had when they started out.
- Waiting time for the border crossing on the Estonian-Russian border was about three days.
- Over 45 electric chain hoists were used to lift equipment. Total weight of suspended equipment was 20 tons.
- Lighting inventory included more than 160 intelligent moving light devices
- Around 600 podium modules and a full truckload of scaffolding material was used to build the tribunes and stages.
- For decoration and branding of the venues, 4500 m² carpet, 4500 m² fabric and 1200 m² banners were used.
- The overall power consumption was near a million watts. Total length of power cables was 10 km. Additionally,



1180 sockets and connectors were installed when preparing cables for power distribution and 600 extension cords were put to use.

- The RGB crew consisted of 45 people, most of whom spent more than three weeks in Siberia (Tyumen) for this project. In addition, a team of 12 local stagehands was assisting with loading.
- The on-site work lasted for three weeks before and one week after the Championships
- A large local team of engineers and builders worked alongside to prepare the local Judo Centre for the World Championships. All communication facilities of the main building were upgraded; the roof constructions of the arena were strengthened and suspension points built. A large area next to the Olympic Preparation centre was covered with asphalt to provide ground for the VIP arena and guest parking; a door was built through the second floor wall to enable equipment lifting to arena.

FACTS / STATISTICS



JUDO
WORLD CHAMPIONSHIP
OPEN



RUSSIA
2011



ЧЕМПИОНАТ МИРА
ПО ДЗЮДО
В АБСОЛЮТНОЙ ВЕСОВОЙ
КАТЕГОРИИ



CREW

Project managers

Peeter Randväli	<i>Executive Project Manager</i>
Marko Erlach	<i>Project Manager / Sound Production Manager</i>
Sergey Lyzhin	<i>Project Assistant</i>
Gamal Elhuveig	<i>Lighting Production Manager</i>
Ivar Leemet	<i>Video Production Manager</i>
Kert Kuusik	<i>Tribunes and Temporary Structures Production Manager</i>
Kristian Vosman	<i>Furniture and Decorations Production Manager</i>
Jüri-Ott Karemäe	<i>Logistics Manager, RGB Arena Project Manager</i>
Silver Roostik	<i>Power Solutions Manager</i>

Sound

Silver Rästa	<i>Arena FOH Engineer</i>
Dmitri Vichmann	<i>Arena Sound Technician</i>
Johannes Lõhmus	<i>VIP Area FOH Engineer</i>
Heldar Selg	<i>VIP Area monitor Engineer / Stage Technician</i>
Otto-Karl Vendt	<i>Media Area Sound Engineer</i>
Indrek Luts	<i>Hallways and Distributed Sound Technician</i>
Riho Unt	<i>Sound Technician</i>

Light

Meelis Lusmägi	<i>Arena Lighting Designer</i>
Meelis Lever	<i>Lighting Technician, Follow-spot operator</i>
Marek Vastopä	<i>Lighting Technician, Follow-spot operator</i>
Hannes Kadak	<i>Rigger, Follow-spot operator</i>
Viljar Sinimeri	<i>Rigger, Follow-spot operator</i>
Kristo Sooalu	<i>Rigger, Lighting Technician</i>
Priit Tiimus	<i>Rigger, Lighting Technician</i>
Taisto Raamat	<i>Rigger, Lighting Technician</i>
Madis Vörklaev	<i>Lighting Technician, Electronic Maintenance / Repairs</i>
Raul Jürgenson	<i>Lighting Technician, Electronic Maintenance / Repairs</i>

Video

Rünno Karna	<i>Arena Video Director</i>
Dmitri Lagutin	<i>Video Technician</i>
Vladislav Novikov	<i>Video Technician</i>

Tribunes and Temporary Structures

Siim Särel
Veiko Paas
Mart Pruuli
Kristjan Luik
Bert Roostik
Karl-Erik Joandi

IT Solutions

Allan Pardane	<i>IT Project Manager / Specialist</i>
Nikolai Skakalin	<i>IT Specialist</i>

Furniture, Decorations and Branding

Rain Mölder
Peeter Vaaks
Tarmo Markus
Madis Mark
Jürgen Oras
Risto Hännikäinen
Martin Kulderknup

Power

Margus Kosk	<i>Electrician</i>
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Backoffice

Meelika Tammeveski	<i>Travel Arrangements</i>
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CREW



RGB Baltic Ltd
Kõrgepinge 37,
Tallinn
Estonia
Ph: +372 639 1484
Fax: +372 639 1483
www.rgb.ee
rgb@rgb.ee



RGB Baltic is an Estonian event management & technical production company. Having evolved from sound, light and video production to full scale / turn-key production services, today RGB provides complete production inventory and management services with facilities like temporary event structures and power distribution systems included within its current inventory along with a wide array of production offerings.

RGB Baltic