



## SPORTS VENUES 2022/23: CONSTRUCTION REPORT

The unique overview by STADIAWORLD

### INTRO

#### 6 Venue openings worldwide

Although the pandemic posed major problems for the construction industry, numerous stadiums and arenas have been opened since August 2021.

#### 8 "City and venue are benefitting from each other"

Sebastian Kurczynski, Head of Consulting at the research and consulting company Nielsen Sports, talks about arenas as tourism magnets as well as their value-added chain.

#### 10 DHL Stadium shares crucial insights

The Covid-19 pandemic with its hard lockdowns have taken a severe toll in South Africa. The DHL Stadium in Cape Town, however, has used the time productively.

#### 12 The O<sub>2</sub> announces new sustainability measures

The O<sub>2</sub> has announced a series of new measures to make the music, leisure, and entertainment venue in London more sustainable for fans, bands and brands.

#### 13 "An industry first for a venue of our size"

Interview with Steve Sayer, VP & General Manager at The O<sub>2</sub>, about the arena's ambition to become more sustainable.

#### 14 eps ARENA SUMMIT: industry get-together with international highlights

On September 27th and 28th the eps ARENA SUMMIT 2022 will take place in Frankfurt's Deutsche Bank Park – this year's meeting place will offer some international highlights.

#### 16 The stadiums of the 2022/23 season

The constellations in the five most important leagues in European football for the upcoming season are fixed. Here are some facts about the stadium landscapes.

#### 22 World class – indoor and outdoor

The Spanish capital Madrid not only boasts two top-class stadiums, but also an impressive array of large indoor arenas.

#### 24 The era after the Olympic Games

What will remain after the 2020 Summer Olympics, which had to take place with a one-year delay? In Tokyo, tradition and modernity meet in the venue landscape.

#### 26 Costly buildings in the Big Apple

New York City – the mega-metropolis on the east coast of the U.S. is one of the most important cities on the planet. Numerous sports facilities have the character of landmarks.

### OPERATION

#### 28 Part of Atlanta's identity

State Farm Arena is home to the Hawks and a multiple award winning venue. The rebuild a few years ago paved the way for the success story the operators are writing.

#### 31 „Some of the best venues in the entire country“

Brett Stefansson, Atlanta Hawks' Executive Vice President & General Manager State Farm Arena, talks about the smart operation of the arena.

#### 32 New Finnish landmark

With the Nokia Arena in Tampere, Finland's largest multifunctional arena opened in December 2021. Particular emphasis is placed on a seamless customer journey.

#### 34 "Our arena is 100% digital"

Marko Hurme, CEO Nokia Arena, speaks about the special features of the new Finnish arena, his first impressions of operation and the 2022 Ice Hockey World Championship.

#### 36 Nokia Arena Tampere: Setting standards in the Nordics

Broadcast Solutions was responsible for the multimedia infrastructure – and the arena sets standards as one of the most modern multi-purpose venues in the Nordics.

#### 38 Naming rights: Tradition versus commerce

Naming right deals are common practice in the industry. Which venues are currently looking for a new partner – where have deals been closed recently?

### CONSTRUCTION

#### 40 SPORTS VENUES 2022/23: Construction Report

The unique report by STADIAWORLD provides the most comprehensive overview about the construction of sports venues.

#### 42 USA: Huge projects everywhere

The USA is known as the land of unlimited opportunities – and with regard to the sports venues of the Major Leagues, it is apparently also the land of unlimited large-scale projects.

#### 46 US sports cities

Where do the teams from the "Big-4-Leagues" play? An overview.

#### 48 Major projects as far as the eye can see

The venue landscape in Europe is in a constant state of change: from small renovations to new openings to newly planned state-of-the-art venues, it's all here.

#### 53 Sustainability in stadium construction – best practice Budapest

With the "National Athletics Center", NAPUR Architekten and NUSSLI show that modern stadium construction can avoid "white elephants" and function differently today.

#### 54 Standing on the sunny side

Since January 2022, selected clubs have again been allowed to offer their fans standing-room tickets in so-called safe-standing areas.

#### 56 The beginning of a new era

The two flagships of Spain's LaLiga, FC Barcelona and Real Madrid C.F., are having their home stadiums extensively modernised almost simultaneously. A closer look.

#### 58 Construction boom in China

China is the most populous and, measured by its total area, the third largest country on earth. A range of mega venues are currently being built – one driver is the Asian Cup 2023.

#### 60 Work in progress

Both Australia and New Zealand have seen a lot of movement in the sports facility landscape – numerous projects have been completed or are in progress there.



## THE O<sub>2</sub> ANNOUNCES NEW SUSTAINABILITY MEASURES

The O<sub>2</sub> has announced and implemented a series of new ideas.



## TECH REPORT: SYSTEM INTEGRATION EVERYWHERE

Tech topics and trends around sports and entertainment venues.



## PART OF ATLANTA'S IDENTITY

State Farm Arena is home to the NBA's Atlanta Hawks and a multiple award winning venue in Georgia's capital.



## OUTLOOK: EVENTS 2022 & 2023

Not only the World Cup in football, but numerous other sporting events and tournaments await in the upcoming twelve months.

### 62 Openings during the pandemic

The Corona pandemic hit the world with full force. It was also bitter for those who built a sports facility during the crisis. Nevertheless, several venues opened since the outbreak.

## TECHNOLOGY

### 64 Tech Report: System integration everywhere

The topics and trends around sports and entertainment venues and their supplying industries. LED is still a major topic in many areas of application.

### 66 Lighting: Full order books

The industry is well occupied with new buildings and retrofits in floodlighting, while overall lighting concepts also continue to expand.

### 70 "This is a revolution and we are very proud of it!"

With the Olympiastadion Berlin and the Deutsche Bank Park in Frankfurt, two of Germany's largest and most prestigious stadia now shine in a new light.

### 72 Digital displays: Going 360°

The experience created by the industry and venue operators is getting more and more immersive. LED modules with millions by millions of pixels are installed each year.

### 77 An exceptional fan experience at MetLife Stadium

Tripleplay Digital Signage and IPTV delivers the stadium located just outside New York City in East Rutherford, NJ, leading-edge technology for an unrivalled fan experience.

### 79 LED glass flooring to be accepted at FIBA competitions

The FIBA has approved LED glass flooring for Level 1 competitions. This enables ASB GlassFloor to be accepted at FIBA's competitions, starting from October.

### 80 Grass grow lighting: A new standard for elite pitches

Nowadays all established technologies for natural grass pitches in professional sports are refined and new opportunities are constantly utilised.

### 81 Free workshop on data-driven pitch management at the Johan Cruyff Arena

Help HI Sports understand the specific needs related to pitch management, and they will help gain the latest insights around harvesting sensor-based data.

### 84 Fan Experience: Connectivity as the key

High capacity is a relevant factor when it comes to the fan experience. But what is the best way to provide it – with WiFi or 5G? The two options are by no means mutually exclusive.

### 86 Sound: A complex matter

Manufacturers of sound systems were hit hard by the consequences of the global corona pandemic. But the difficult time was used for R&D and improvement.

### 88 Two-for-one audio solution for Wembley

London's iconic Wembley Stadium is using a permanently installed solution from d&b audiotechnik for the longest concert season yet.

### 90 Ice arenas: Technology modernisations

The modern ice arena must always keep in mind the latest technological standards. A brief overview of selected projects since 2020.

### 91 #QUALITYFIRST: ICEGRID®

The ice-technical infrastructure for the curling competitions as well as the ice hockey and the curling training surfaces at the Winter Olympics were supplied by ISS Ice Sports & Solar.

### 92 Intuitive and personalized products for modern Ice sports venues by Engo since 1979

For decades now, Engo has positioned itself as a premiere supplier for ice arena equipment. The goal is to provide the clients and partners with a meaningful and quality service.

### 96 World Cup in the desert

From the 21st of November to the 18th of December 2022 the FIFA World Cup takes place in the desert emirate Qatar. This tournament is special in many ways.

### 98 Report: 85 percent of all permanent Olympic venues still in use

A new report from the International Olympic Committee (IOC), released at the IOC Session, addresses the sustainable use of Olympic sports venues.

### 100 Olympic Games in the city of love

The Olympic and Paralympic Games are the world's largest sporting event. In 2024, it is Paris' turn to welcome visitors from all over the world – and there will be many firsts.

### 102 The European Home of American Football

The European League of Football is in its second season. In the first year eight teams from three countries started, in the second year this number increased to 12 teams.

### 103 "We will never say our product is finished"

Zeljko Karajica, CEO of the ELF, talks about the premiere season, the lessons learned for the ongoing season and takes a look to the future.

### 104 Premiere: NFL games in Germany

The NFL is booming – in Germany, too. At the end of 2022, the league will come to Munich for the first time with a regular-season game at the Allianz Arena.

### 106 "Create an NFL experience in Germany"

Dr. Alexander Steinforth, General Manager NFL Germany, talks about the anticipation for the event, the choice of venues and the challenges that American football brings.

## EVENTS

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