



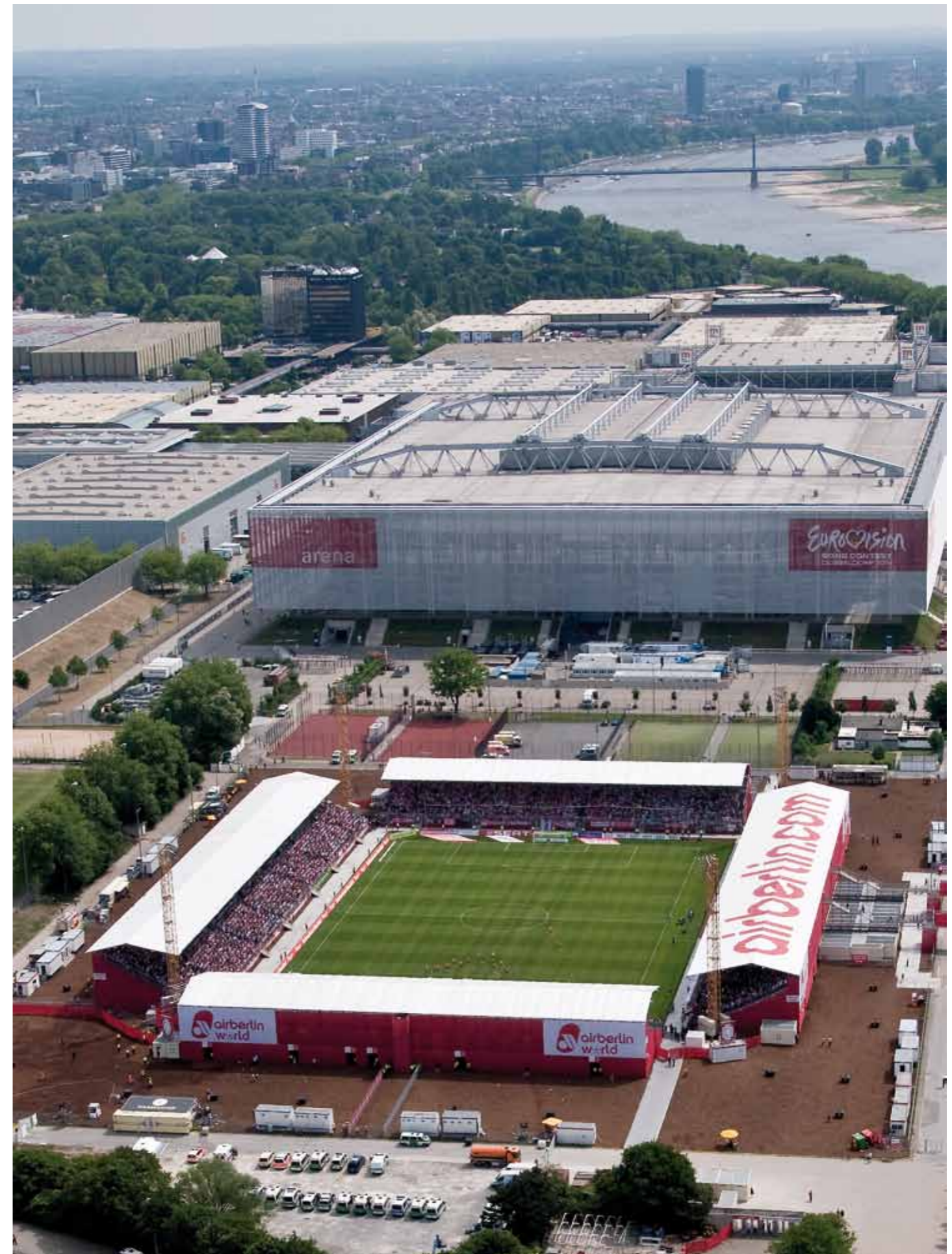
Modular Stadium[®], Stadium Extension

Future-oriented.

During times of fluid changes and limited resources, demands with regards to modern arenas and stadia change as well. NUSSLI plans and constructs state-of-the-art modular stadium solutions for permanent as well as temporary use around the world.

The Modular Stadium® concept offers unrivalled flexibility in terms of capacity and functionality across the entire lifecycle. The concept was expanded and developed further based on extensive project experience, and with the support of latest construction technology and integrated construction implementation processes. The result is a stadium that is both cost-efficient and highly versatile.

These customer-specific and turnkey structures can be designed in such a way as to allow the implementation of any additional specifications the client requires.



Unique and Sustainable.

Experience is twice as valuable when it is available to a relatively new discipline. Our pioneering work in the area of modular stadium construction allows us to find the right solution for individual customer requests; without any inefficiencies – cost effectively and on time.

The Modular Stadium® concept was created specifically for the development of stadia of various sizes and functions and for different levels of usage, so that they could be adapted to the changing requirements and specifications of sports authorities and clients.

Benefits:

Time/ Speed

- Short procurement times
- Systems with type approval (systems with permission for a type of building)
- Planning with optimized modules
- Short planning and installation times

Versatility

- Temporary extensions and adjustments
- Implementation for a variety of sports
- Complete reassignment of purpose

Flexibility

- Complete or partial implementation
- Implementation in line with available budget
- Easily dismantled, stored, and reused

Costs

- Shorter financing due to quicker construction times
- Fast ROI
- Design-to-cost value analysis
- Minimized operating costs

Sustainability

- Resource saving manufacture and installation
- Reusable components
- Economically sustainable concepts due to better adaptability
- Integration of future-oriented energy concepts

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Modular Stadium® Steel Construction.

For permanent structures, NUSSLI creates modular stadia in steel. The custom prefabricated modules allow particularly fast and cost-efficient completion. Any of the modules can be expanded in retrospect as needed – much like a football club winning a place in the big leagues. The structure remains flexible and adaptable.



Taylor-made.

NUSSLI developed a taylor-made grandstand system for 'The Royal Edinburgh Military Tattoo' in Scotland, provided everything from VIP rooms to the crowd control measures. The system was purchased by the client outright, and is dismantled and stored after each annual event.

The location posed a particular challenge in this case. The structure is located on Edinburgh Castle's Esplanade which steeply slopes away towards the eastern side. Extensive piling and foundation work were needed to secure the structure in place. The southern grandstand protrudes out over The Esplanade by 9 meters along its length.

The grandstand itself offers a capacity for 8,800 spectators together with disabled spectator positions in all ticket categories. The two-storey, modular VIP and production structure also offers an accessible roof terrace and is complimented with a fully automated elevator. The grandstand's understructure is designed to provide sufficient open space to locate modular buildings to house performers rest areas, toilet facilities, security offices and concessions.

The entire seating structure was designed and constructed as a permanent, steel and aluminium structure but with special connection nodes that enables easy dismantle and re-erection. It offers the highest possible standards in safety, comfort, and functionality.

Modular Stadium® Scaffold Construction.

In the temporary stadium structures market, NUSSLI utilizes their own rental material and systems for the required duration. Our systems allow us to offer solutions that suit all client requirements that can include different seat options, VIP boxes, changing rooms, concessions, toilet facilities and ticket offices, etc. NUSSLI's seating systems complies with the highest safety standards together with detailed design, engineering and functionality.

Our experience and knowledge drawn from many successful projects in this market makes NUSSLI the ideal partner at locations without pre-existing infrastructure.

Benefits:

- Pre-designed systems result in cost security
- Overall costs are approx. 30 - 40% below permanent concrete structures
- Solutions include rentals, purchase, hire-purchase and leasing models
- Short planning and installation times
- Short approval times
- Compliance with necessary requirements of e.g. FIFA, DFL, DFB and DIN
- Fast and secure financing
- Flexibility in terms of adaptation to current requirements





Efficient Stadium Extensions.

NUSSLI provides extensions to existing facilities and structures efficiently and affordably. Our tried and tested modular designs and system materials allow us to react quickly. We extend existing structures with additional grandstand capacity, VIP boxes, roof systems, or ancillary structures as required, while always complying with strict safety standards.

Our stadium extensions are available for rental or outright purchase. Other options include hire-purchase or leasing models.



Additional services.

- Technical structures
- Team facilities
- VIP boxes
- Business and office areas
- Shops, merchandising
- Toilet facilities
- Floodlights, stadium lighting, architectural lighting
- Video walls, displays
- Exterior design

Stadium solutions overview.

	Steel construction	Modular scaffolding construction
Recommended for use	From approx. 2 years	Up to approx. 2 years
Planning time	Approx. 4 - 6 months	Approx. 1 - 2 months
Construction time (Seats: 10,000 / 20,000 / 30,000)	6 - 18 months	4 - 16 weeks
Compliance with standards / requirements	FIFA, DFL, DFB, DIN and others	FIFA, DFL, DFB, DIN and others
Approval process	Local	Local, reduced approval time by type permissions
Later expansion possible	Yes	Yes
Dismantling capability	Yes	Yes
Number of tiers	1 or 2 tiers	1 tier
Roofing	Complete	Depending on size: complete / partial
Roofing type	Bespoke options	System roofing with intermediate support columns
Technical / ancillary structures	Bespoke options (beneath the tiers)	Limited integration





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Switzerland (Headquarters), Germany, Austria,
Italy, Spain, United Kingdom, USA and Middle East.
In addition, we are represented by our partners and
our own sales and project offices around the world.

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