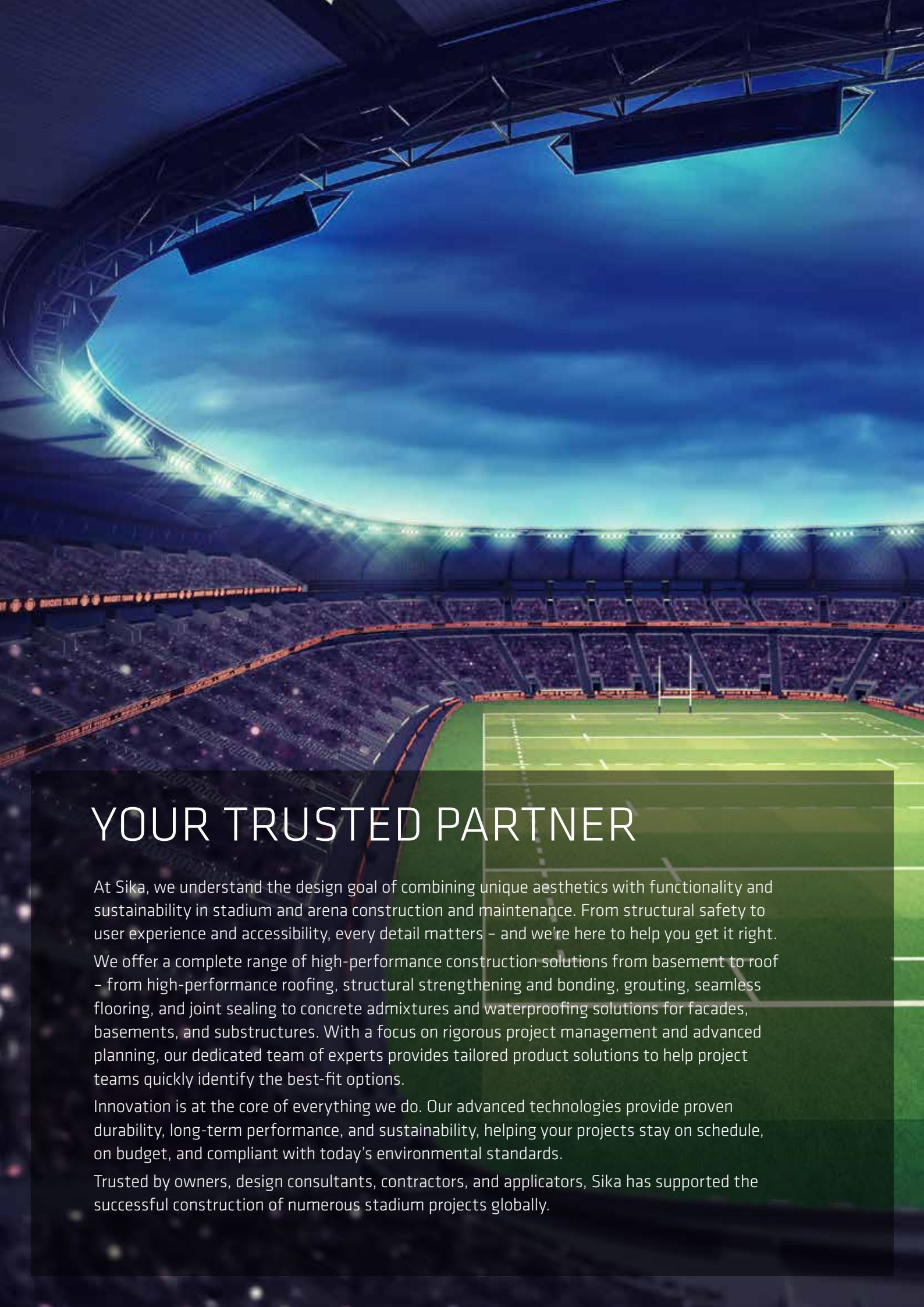


YOUR TRUSTED PARTNER FOR STADIUMS AND ARENAS

BUILDING TRUST



YOUR TRUSTED PARTNER

At Sika, we understand the design goal of combining unique aesthetics with functionality and sustainability in stadium and arena construction and maintenance. From structural safety to user experience and accessibility, every detail matters – and we're here to help you get it right.

We offer a complete range of high-performance construction solutions from basement to roof – from high-performance roofing, structural strengthening and bonding, grouting, seamless flooring, and joint sealing to concrete admixtures and waterproofing solutions for facades, basements, and substructures. With a focus on rigorous project management and advanced planning, our dedicated team of experts provides tailored product solutions to help project teams quickly identify the best-fit options.

Innovation is at the core of everything we do. Our advanced technologies provide proven durability, long-term performance, and sustainability, helping your projects stay on schedule, on budget, and compliant with today's environmental standards.

Trusted by owners, design consultants, contractors, and applicators, Sika has supported the successful construction of numerous stadium projects globally.

CHALLENGES IN STADIUMS AND ARENAS



DISTINCTIVE AESTHETICS AND BRAND IDENTITY

Stadiums and arenas are iconic landmarks, and their visual identity plays a major role in user experience and brand recognition. Owners and architects often require customized colors, textures, and integrated logos that reflect the team or venue's character. These design ambitions must be balanced with functionality and durability.

Sika systems offer the aesthetic flexibility needed for creative architectural design while maintaining high quality and long-term performance under heavy use such as weathering, UV exposure, and foot traffic.

MEETING NET-ZERO AND SUSTAINABILITY GOALS

Modern stadium and arena projects face increasing pressure to reduce environmental impact throughout construction and operation. This includes minimizing energy use, extending service life, and selecting materials with low emissions and reduced maintenance needs.

Sika delivers sustainable solutions that support these goals by improving durability, reducing life-cycle costs, and providing the documentation required for Green Building certifications such as LEED or BREEAM.

STRUCTURAL COMPLEXITY AND JOINT PERFORMANCE

Stadium structures experience significant stress and movement due to long spans, crowd vibration, temperature changes, and wind loads. This makes structural design a critical challenge, especially in refurbishment and redevelopment projects.

Sika offers solutions for concrete strength improvement and specialist joint sealing systems engineered to withstand extreme movement, ensure watertightness, and meet seismic and passive fire protection requirements.

YOUR CHALLENGES, OUR SOLUTIONS



1

Unique aesthetic design for brand, team or venue differentiation

ROOFING

Stadium roofs must not only be waterproof and durable, capable of withstanding external exposure and physical stresses, but also meet the architect's design vision in terms of shape, form, color, and overall aesthetics.

Our Sarnafil®, Sikaplan®, Sikalastic®, and SikaShield® systems deliver optimal performance and sustainability with advanced FPO, PVC, bitumen, and liquid-applied technologies, backed by expert support and skilled applicators.

2

Precast and in-situ concrete are essential for stadium construction, offering unmatched strength, durability, and design flexibility.

CONCRETE

Concrete form the robust structural foundation of a stadium while enabling innovative and adaptable design possibilities.

With a wide range of innovative admixtures and additives to enhance concrete quality, performance, durability and fast and efficient production, Sika provides solutions that reduce delays, defects and support fast track construction processes.

SikaFiber® design software further supports optimal fiber dosage and slab design, ensuring efficient and reliable construction.

3

Durable and sustainable flooring for every zone

FLOORING

Concourses, kitchens, restaurants, lounges, mechanical and electrical rooms, and car parks all require durable, high-performance floors that meet technical, sustainability, and low-VOC standards – while enhancing overall ambiance and safety.

Sika's extensive flooring portfolio includes low-emission, low-odor, durable, low-maintenance, fast-curing, and easy-to-apply flooring solutions that can be tailored to customer needs.



CONTACT YOUR SIKA EXPERT
FOR ADDITIONAL INFORMATION

4

Watertightness is essential, and detailing must also withstand extreme movement while meeting fire and seismic protection requirements.

BASEMENT AND SLAB ON GRADE WATERPROOFING

From the basement parking structures to podium terraces and spectator stands, the waterproofing must adapt to the structural requirements while maintaining high performance. Extreme movements and joints also demand complementary systems with seismic and passive fire protection properties.

Sika offers an extensive range of SikaProof® single-ply sheet membranes and Sikalastic® liquid-applied technologies, working alongside Sika® Waterbar FB-125, SikaFuko® injection hoses, Emseal®/Wabo® joint protection systems, and Sikaflex® joint sealants.

SUSTAINABLY DURABLE AND EFFICIENT

At Sika, we understand your commitment to sustainability in the construction and maintenance of stadiums and arenas. Our solutions support sustainability at every stage of your facility's lifecycle, from responsible product selection and efficient application to long-lasting performance and end of life considerations. Whether it is low emission flooring systems that improve air quality or energy efficient roofing that reduces overall energy consumption, we help you achieve your goals by delivering quantified sustainable benefits through reliable and environmentally conscious solutions that comply with LEED, BREEAM, Green Building, and other relevant certifications. We carefully analyze all key sustainability aspects, including resource and material efficiency, waste reduction, durability, energy savings, health and safety, and CO_2 emissions, to help you identify how to optimize your project sustainably at every step.

END OF LIFE STAGE

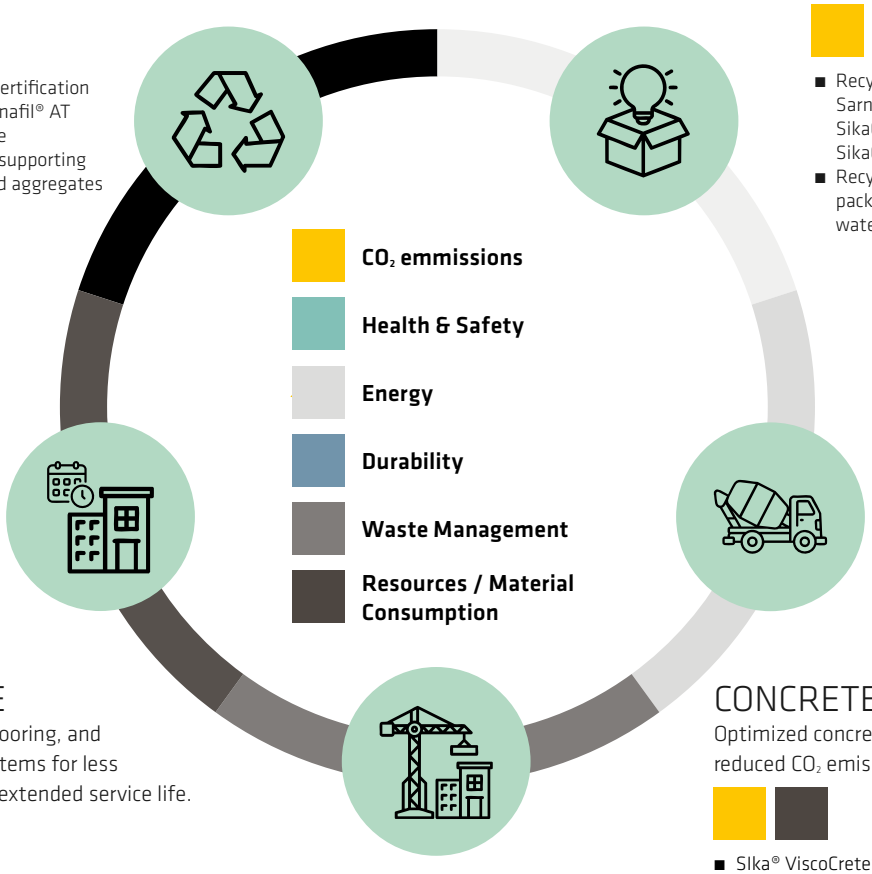
Recyclable materials and support for circular construction

- Cradle-to-Cradle certification silver level for Sarnafil® AT roofing membrane
- Superplasticizers supporting the use of recycled aggregates

PRODUCT STAGE

Low-impact raw materials and efficient production processes.

- Recycled content in the Sarnafil® roofing membranes, SikaGrout®-800 and SikaGrout®-340+.
- Recycled content in the packaging of SikaProof® A+ waterproofing membrane



USE STAGE

Durable roofing, flooring, and waterproofing systems for less maintenance and extended service life.

- Long durability for the SikaProof® A+ system, Sika® floor systems, Sika Anchorfix® and Sarnafil® TG 76 Felt PS.
- Low VOC emissions for the Sika flooring products and joint sealing solutions.

CONCRETE PRODUCTION

Optimized concrete mix designs for reduced CO_2 emissions and water usage

- SIka® ViscoCrete® admixtures reduce water and cement content and allow higher cement replacement levels and recycled aggregates

CONSTRUCTION STAGE

Reduced waste and emissions.

- Reduction of clinker content with the use of SikaRapid®.
- Waste avoidance of excess waste concrete with Sika® Retarder®

The mentioned products are just examples. For actual figures and basis of calculation, please visit the corresponding case study website.

DRIVING DIGITALIZATION

IN STADIUM AND ARENA CONSTRUCTION AND MAINTENANCE

Digital transformation is reshaping how stadiums and arenas are planned, built, and maintained. Sika supports this evolution with a comprehensive portfolio of advanced digital tools through SikaVision® – helping you monitor, collaborate, optimize, and predict key aspects of your construction or refurbishment projects.

Sika understands the complexity of decision-making across the project lifecycle and the importance of minimizing risk at every stage. Our technologies and experts provide reliable data for your BIM models, enabling smarter collaboration and informed decisions in your virtual design and planning environments.



By integrating SikaVision®, you can:

- **Enhance efficiency –** Streamline processes and accelerate project delivery
- **Make informed decisions –** Use reliable data for planning, design, and execution
- **Maximize product performance –** Get the most out of your Sika solutions

Explore our digital tools and see how SikaVision® brings the future of construction to your projects.

SikaVision® DIGITAL PRODUCTS & TOOLS

A GLOBAL COMPANY BUT LOCAL PARTNER



FOR MORE INFORMATION ABOUT SIKA SOLUTIONS FOR PROJECTS:

WE ARE SIKA
Sika is a specialty chemicals company with a globally leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protection in the building sector and industrial manufacturing. Sika has subsidiaries around the world and produces innovative technologies for customers worldwide. In doing so, it plays a crucial role in enabling the transformation of the construction and transportation sector toward greater environmental compatibility.

Any product name or reference reflects the Sika product name at the time of creation of this document and may differ from the product name or reference during past events.

Our most current General Sales Conditions shall apply.
Please consult the most current local Product Data Sheet prior to any use.

SIKA SERVICES AG
Tueffenwies 16
CH-8048 Zurich
Switzerland

Contact
Global Project Support
www.sika.com

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