YOUR TRUSTED PARTNER FOR WATER INFRASTRUCTURE

BUILDING TRUST

YOUR TRUSTED PARTNER

At Sika, we understand the challenges and complexities involved in building and maintaining water infrastructure. From stringent hygiene requirements to long-term watertightness, every detail matters – and we're here to help you get it right.
We offer a complete range of high-performance construction solutions that support every stage of your project lifecycle, from new build to refurbishment and extension of existing assets. Acting as a single, reliable partner, Sika helps simplify project delivery through integrated systems, expert technical support, and close collaboration with designers, contractors, and asset owners.

Innovation is at the core of everything we do. Our advanced technologies are designed to resist chemical attack, abrasion, and biological degradation while meeting strict hygiene and environmental requirements. They ensure a long service life, reduced maintenance demands, and reliable operation of your critical water infrastructure.

With proven solutions for watertight concrete construction, protective linings, joint sealing, and corrosion mitigation, Sika helps safeguard vital water assets against leakage, contamination, and premature deterioration. Trusted by water authorities and operators worldwide, we deliver innovative and sustainable construction systems that stand up to the unique challenges of modern water infrastructure.

CHALLENGES IN WATER INFRASTRUCTURE

FUTURE-PROOF DESIGN

Water infrastructure assets are expected to perform reliably for decades while adapting to evolving environmental, operational, and population pressures. Designing structures that combine long service life with resilience to chemical exposure, fluctuating loads, and climate impacts requires robust, forward-looking engineering solutions. Sika supports designers with proven technologies that enhance durability, optimize lifecycle performance, and help safeguard critical water resources for the future.

OPERATIONAL RELIABILITY

Continuous service delivery depends on structures that can withstand demanding conditions, often within aggressive chemical, biological, and abrasive environments. Aging networks, increasing capacity requirements, and the need to minimize downtime place additional pressure on asset owners and operators. Sika's high-performance construction systems help maintain structural integrity, reduce maintenance interventions, and support the reliable, uninterrupted operation of essential water infrastructure.

REGULATORY COMPLIANCE

Strict hygiene and environmental standards require carefully selected materials, particularly where materials are in contact with drinking water or sensitive ecosystems. Ensuring compliance while maintaining performance and constructability can be complex. Sika provides a comprehensive portfolio of certified solutions that support safe design and execution, helping project teams meet regulatory requirements with confidence.

YOUR CHALLENGES, OUR SOLUTIONS

1

Chemical resistance and long-term durability are essential for ensuring the longevity and continuous operation of water treatment facilities.

WASTEWATER TREATMENT PLANTS

Sika supports owners, designers, and consultants with specialized material expertise to deliver durable, waterproof, and chemically resistant solutions tailored to wastewater environments. We provide guidance on selecting the right repair mortars, protective coatings, joint solutions, and waterproofing systems designed for the demanding environments found in screening channels, sedimentation tanks, biological treatment units, sewer networks, and digester structures.

Our integrated solutions will help you extend asset service life, reduce maintenance interventions, and support reliable plant operation.

2

Harsh marine exposure and aggressive process conditions demand durable, efficient construction and repair solutions.

DESALINATION PLANTS

Sika brings extensive expertise to the unique challenges of desalination facilities, ensuring that critical components perform reliably even under harsh marine conditions. From seawater intake structures to large-volume storage tanks, Sika's specialists help project teams select robust solutions that withstand abrasion, saline exposure, and chemical stress.

With a comprehensive portfolio of waterproofing, corrosion protection, repair, and joint sealing technologies, Sika enables efficient construction and rapid refurbishment interventions that minimize disruption to critical plant operations. This integrated approach helps extend asset service life, maintain structural performance, and ensure reliable, continuous water production.

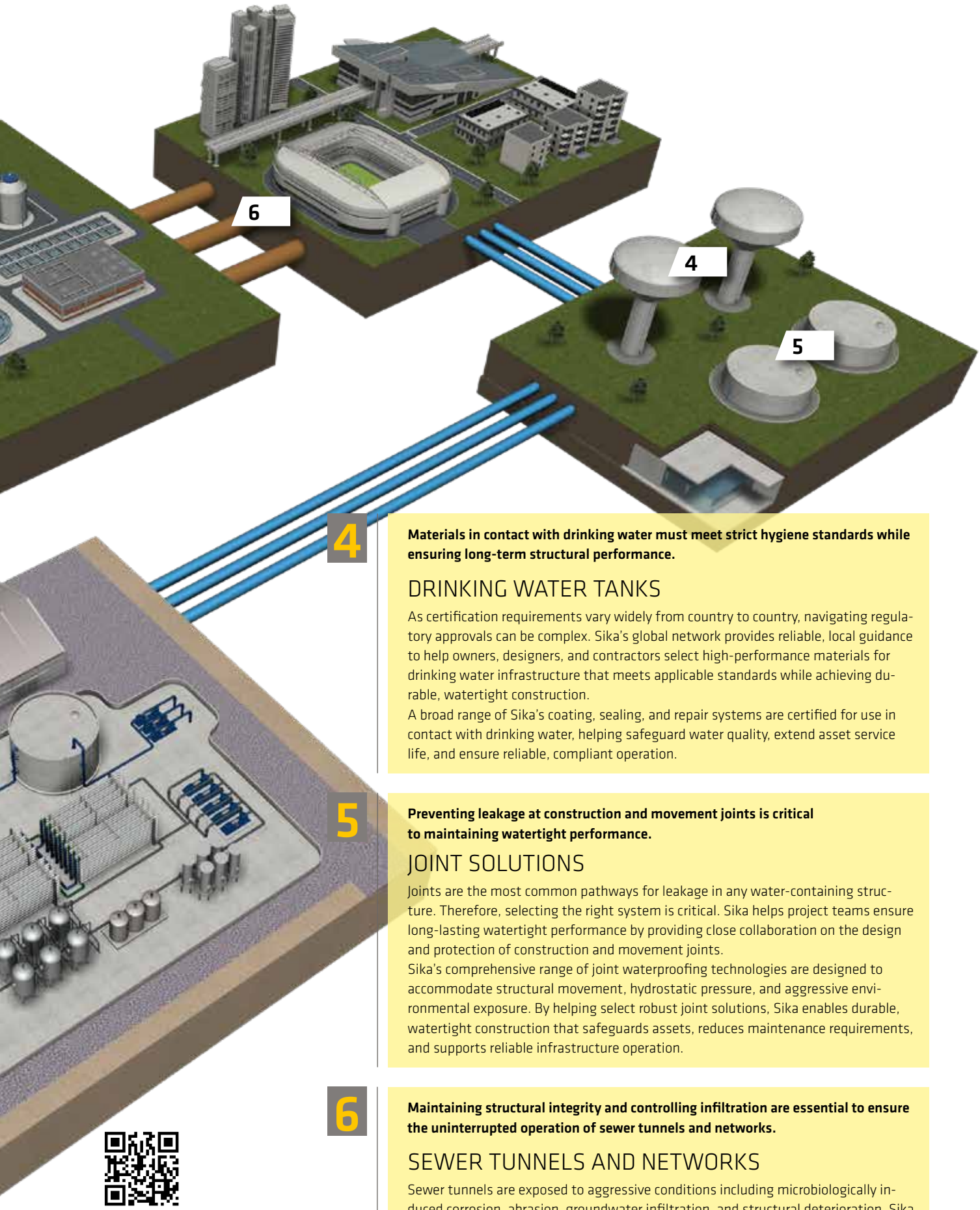
3

Durable, watertight concrete is fundamental to the long-term performance of water infrastructure assets.

CONCRETE

Sika's advanced concrete technologies are designed to meet the demanding durability and watertightness requirements of water infrastructure. From containment structures and treatment tanks to tunnels and hydraulic elements, our admixture solutions help control cracking, reduce permeability, and improve resistance to aggressive environments such as chlorides, sulfates, and microbiologically induced corrosion.

By enabling consistent concrete quality and reliable placement under challenging site conditions, Sika helps extend service life, reduce lifecycle costs, and ensure dependable infrastructure performance.



4

Materials in contact with drinking water must meet strict hygiene standards while ensuring long-term structural performance.

DRINKING WATER TANKS

As certification requirements vary widely from country to country, navigating regulatory approvals can be complex. Sika's global network provides reliable, local guidance to help owners, designers, and contractors select high-performance materials for drinking water infrastructure that meets applicable standards while achieving durable, watertight construction.

A broad range of Sika's coating, sealing, and repair systems are certified for use in contact with drinking water, helping safeguard water quality, extend asset service life, and ensure reliable, compliant operation.

5

Preventing leakage at construction and movement joints is critical to maintaining watertight performance.

JOINT SOLUTIONS

Joints are the most common pathways for leakage in any water-containing structure. Therefore, selecting the right system is critical. Sika helps project teams ensure long-lasting watertight performance by providing close collaboration on the design and protection of construction and movement joints.

Sika's comprehensive range of joint waterproofing technologies are designed to accommodate structural movement, hydrostatic pressure, and aggressive environmental exposure. By helping select robust joint solutions, Sika enables durable, watertight construction that safeguards assets, reduces maintenance requirements, and supports reliable infrastructure operation.

6

Maintaining structural integrity and controlling infiltration are essential to ensure the uninterrupted operation of sewer tunnels and networks.

SEWER TUNNELS AND NETWORKS

Sewer tunnels are exposed to aggressive conditions including microbiologically induced corrosion, abrasion, groundwater infiltration, and structural deterioration. Sika helps extend the service life of sewer infrastructure through advanced refurbishment and protection solutions.

Our portfolio of injection systems, high-performance grouts, repair mortars, and strengthening technologies enables efficient rehabilitation with minimal operational disruption for safe, durable, and reliable network operation.

CONTACT YOUR SIKA EXPERT FOR ADDITIONAL INFORMATION

SUSTAINABLY DURABLE AND EFFICIENT

At Sika, we understand the critical role sustainability plays in the construction and maintenance of water infrastructure. Our solutions support responsible resource use and environmental performance throughout the entire asset lifecycle, from efficient material selection and reduced cement content in concrete to durable waterproofing systems that extend service life and minimize maintenance interventions.

By enhancing durability, minimizing leakage risks, and optimizing construction efficiency, Sika helps reduce lifecycle carbon emissions and resource consumption. Through a holistic approach that considers material efficiency, waste reduction, energy performance, and operational resilience, we help you deliver water infrastructure designed for sustainable long-term performance.

END OF LIFE STAGE

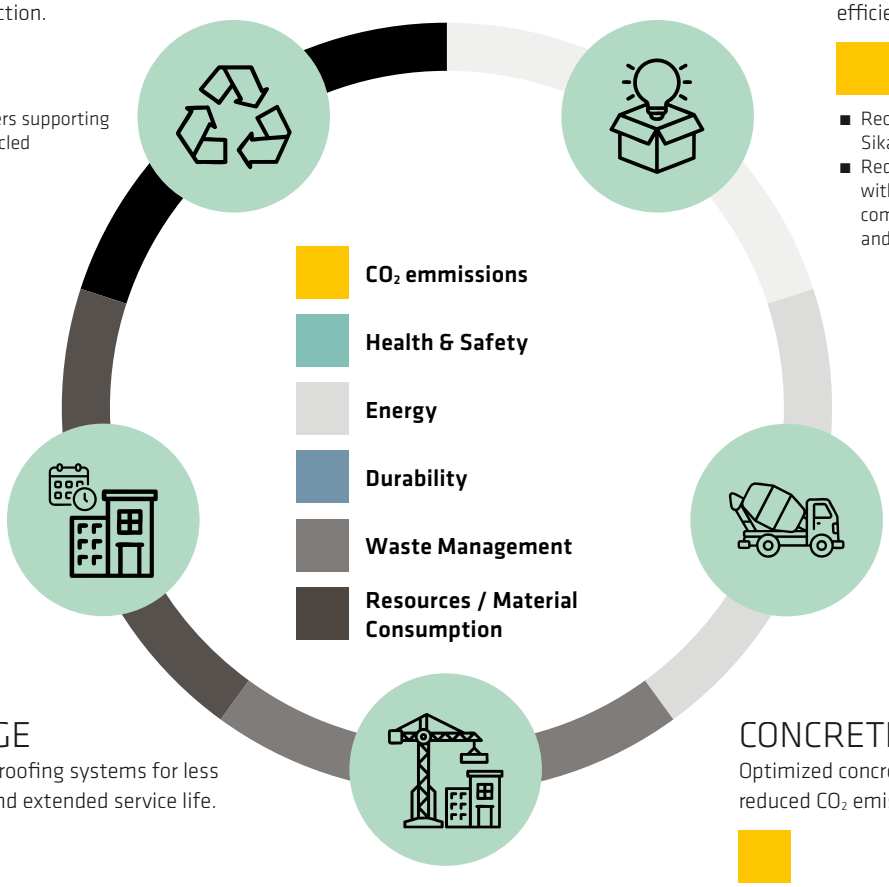
Recyclable materials and support for circular construction.

- Superplasticizers supporting the use of recycled aggregates

PRODUCT STAGE

Low-impact raw materials and efficient production processes.

- Recycled content in the Sikalastic ® 6100 FX
- Reduced carbon footprint with the Waterbar® FB-125 compared to other waterstops and metal sheets



USE STAGE

Durable waterproofing systems for less maintenance and extended service life.

- Higher crack bridging capacity, adhesion and protection against carbonation and UV effects provided by Sikalastic®-6100FX reduce the maintenance frequency and extend the asset service life

CONCRETE PRODUCTION

Optimized concrete mix designs for reduced CO_2 emissions.

- Sikament® admixtures reduce water and cement content thus reducing the corresponding CO_2 emissions

CONSTRUCTION STAGE

Reduced material consumption and CO_2 emissions.

- Reduced use of water and application associated CO_2 emissions due to low material consumption with the use of Sikalastic®-6100FX

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

DRIVING DIGITALIZATION

WATER INFRASTRUCTURE

Digital transformation is reshaping how water infrastructure is 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.

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