

# MORE VALUE LESS IMPACT

SIKA SUSTAINABILITY



## COMMITMENT

1 MILLION CUSTOMERS  
16,293 EMPLOYEES  
OVER 100 YEARS OF INNOVATION

## GLOBAL PRESENCE

OVER 160 FACTORIES  
84 COUNTRIES

## STRATEGY

ENHANCING UTILITY AND  
REDUCING IMPACTS

## GLOBAL REPORTING INITIATIVE

SIKA GOES G4

[WWW.SIKA.COM/SUSTAINABILITY](http://WWW.SIKA.COM/SUSTAINABILITY)

BUILDING TRUST



# SUSTAINABILITY AT A GLANCE

ECONOMIC PERFORMANCE:

**OPERATING  
PROFIT (EBIT)  
ABOVE 10%  
OF NET SALES**

ENERGY:

**3% LESS  
ENERGY  
CONSUMPTION  
PER TON AND  
YEAR**

WATER/WASTE:

**3% LESS WATER  
CONSUMPTION AND  
WASTE PER TON  
AND YEAR**

SUSTAINABLE SOLUTIONS:

**ALL NEW  
PRODUCT  
DEVELOPMENTS  
ASSESSED, ALL  
LOCAL KEY  
PROJECTS  
IMPLEMENTED**

LOCAL COMMUNITIES/SOCIETY:

**5% MORE  
PROJECTS PER  
YEAR**

OCCUPATIONAL SAFETY:

**5% LESS  
ACCIDENTS  
PER YEAR**

**Profil** Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector and the motor vehicle industry. Sika has subsidiaries in 84 countries around the world and manufactures in over 160 factories. Its more than 16,000 employees generate annual sales of CHF 5,142.2 million.

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Sika has been successful as a technology company for more than 100 years. From the outset, sustainability has been a core element of the company's strategy and for the majority shareholder, the founder's family.

WE ARE COMMITTED TO  
PIONEERING SUSTAINABLE  
SOLUTIONS TO ADDRESS  
GLOBAL CHALLENGES, AND  
TO ACHIEVE THIS SAFELY  
AT THE LOWEST IMPACT ON  
RESOURCES



DEAR FRIENDS OF SIKA,

**Our company takes a long-term perspective on the development of the business and acts with respect and responsibility towards its customers, stakeholders and employees. We operate with a strong focus on safety, quality, environment, fair treatment, social involvement, responsible growth, and value creation.**

#### **GLOBAL CHALLENGES**

The world and the society are facing challenges which also businesses need to actively address. Climate change, population growth, energy costs, raw materials and water shortages – these are some of the global megatrends and challenges that are set to change society in the years and decades ahead. At the same time, these challenges will be powerful drivers for novel technologies and solutions. Markets will demand solutions for new approaches to building and construction, infrastructure or mobility.

#### **SUSTAINABILITY AS BUSINESS DRIVER**

Sustainability is a key component of the company's innovation drive. For buildings as well as for industrial applications, Sika aims to enhance durability and improve both energy and material efficiency. The company keeps making every effort to contribute to reducing resource consumption both within the company as well as for its partners who trust in Sika's products. Sika's initiatives and progress are organized along the Global Reporting Initiative (GRI 4).

Throughout all this, Sika puts safety first. The well-being and health of the employees and partners is a prerequisite to Sika's success. Creating safe work environments is always a top priority.

Sika enhances social and economic progress in all countries and communities it operates in. Through the Romuald Burkard Foundation, Sika is actively supporting social projects in local communities. As a member of the UN Global Compact the company is committed to global sustainable development.

Sika does not compromise on integrity and applies high ethical standards to its work. Sika's "Code of Conduct" defines the standards and rules of behavior for the company and all its employees.

#### **VALUE CREATION**

Sustainability has always been part of our identity. We are committed to continuously measure, improve, report and communicate sustainable value creation. "More value, less impact" refers to Sika's commitment to maximize the value of our solutions and contributions to all stakeholders while reducing risks and resource consumption. Therefore we have defined six strategic targets that focus on economic performance, sustainable solutions, local communities/society, energy, water/waste and occupational safety. We live sustainability to keep our competitive advantage for the benefit of all stakeholders.

Sincerely,



JAN JENISCH  
CEO

# RESPONSIBILITY FOR THE FUTURE

Sika is dedicated to sustainable development, assuming responsibility to provide sustainable solutions in order to improve material, water and energy efficiency in construction and transportation. Sika strives to create value for all its stakeholders with its products, systems, solutions along the whole supply chain and throughout the life span of its products. The value created outweighs by far the impacts associated with production, distribution and use.

### THE PILLARS OF SUSTAINABILITY

Sika strives to conduct business without impairing the economic, social and environmental opportunities of future generations. As a member of international, national and local organizations, the company promotes sustainable development wherever it operates. Sika acts as a good corporate citizen engaging in the local communities.

Creating and increasing value while reducing impacts – that's the goal. Sika's strategy fully integrates sustainability into all its business processes in order to maintain its competitive advantage. Internally, the company promotes sustainability through its efficiency and safety programs to promote economic, social and environmental progress.

### FOCUS AREAS

#### ■ Relevance

Sustainability is a business enabler, business driver, and brand message, with high relevance to construction and transportation target markets, driven by global megatrends, e.g. population growth, climate change, increased regulations.

#### ■ Increase Value

We are an industry leader by pioneering a portfolio of sustainable products, systems and services. Products and systems are designed for energy, material, water efficiency, for durability and safe use, driven by Sika's product innovation process, sustainability roadmaps and technology teams.

#### ■ Reduce Footprint

Sika improves its environmental and safety footprint, reducing energy, water and material demand per product unit, and works without injuries. The company sets targets for safety and efficiency, holding line management responsible for achievement.

#### ■ Compliance

Legal and regulatory compliance, anticorruption and respect for human rights along the supply chain are the foundations of Sika's business behavior wherever the company operates.

#### ■ Social Progress and Integration

Sika builds trust and creates value for customers, communities and society. Sika believes that embedding in the social fabric of society and communities will promote its business to the benefit of all.

#### ■ Public Commitments

Sika is a signatory of the UN Global Compact and a member of the World Business Council for Sustainable Development. Donations to sustainable projects underpin the company's commitment.

Based on these aspects, Sika developed a target setting scheme to focus its activities and resources in two areas over the next 5 years.

# SIX SUSTAINABILITY TARGETS

Sika defines six target indicators with the largest potential effect. They cover the economic, environmental and social dimensions of Sika's business.

## ECONOMIC PERFORMANCE

Our success directly benefits all stakeholders.

### TARGET

**Operating profit (EBIT) above 10% of net sales.**

## SUSTAINABLE SOLUTIONS

We are leading the industry. We are pioneering a portfolio of sustainable products, systems and services.

### TARGET

**All new projects are assessed in accordance with Sika's Product Development Process. All local key projects are implemented.**

## LOCAL COMMUNITIES/SOCIETY

We build trust and create value – with customers, communities and with the society.

### TARGET

**5% more projects per year.**

MORE VALUE

LESS IMPACT

## ENERGY

We manage resources and costs carefully.

### TARGET

**3% less energy consumption per ton and year.**

## WATER/WASTE

We increase the water and material efficiency.

### TARGET

**3% less water consumption and waste per ton and year.**

## OCCUPATIONAL SAFETY

Sika employees leave the workplace healthy.

### TARGET

**5% less accidents per year.**

# SHARED SUCCESS AND STRONG PARTNERSHIP WITH STAKEHOLDERS



**ILEANA NICOLAE**  
AREA MANAGER EUROPE EAST





#### **PARTNER FOR ALL STAKEHOLDERS**

Sika is a reliable and long-term partner for all its stakeholders: Financially sound, Sika is able to create value. The company aims to be a respected employer, a provider of high-performing and durable products, an attractive long-term investment opportunity, a responsible tax payer and a good corporate citizen helping communities to flourish. Sika focuses on global technology leadership and market penetration, from new-build construction to refurbishment.

#### **SEVEN TARGET MARKETS, PLENTY OF OPPORTUNITIES**

Sustainability in construction relates to both new-build and refurbishment projects. As a global market leader in the construction chemicals industry, Sika continuously leverages its growth potential in all target markets through innovation, quality and service. Sika's seven target markets are Concrete, Waterproofing, Roofing, Flooring, Sealing & Bonding, Refurbishment and Industry.

#### **FROM A PRODUCT TO A SOLUTION PROVIDER**

Sika provides its customers with innovative solutions that boost the efficiency, durability and aesthetic appeal of buildings, infrastructure facilities, installations and vehicles throughout construction and use. The integrated concepts and solutions address the entire life cycle of a facility, from initial construction to repair, refurbishment or extension. The extension of a facility's life span through appropriate maintenance and modernization creates economic and environmental value.

“SIKA IS PURSUING A SUCCESSFUL GROWTH STRATEGY. IN THIS CONTEXT WE ARE ACTIVE IN MARKETS WITH STRUCTURAL GROWTH AND ARE PROVIDING SOLUTIONS FOR MATURE AND EMERGING MARKETS. WE ARE CONTINUOUSLY DEVELOPING NEW PRODUCTS AND ACHIEVING TECHNOLOGY LEADERSHIP IN ORDER TO ENSURE GROWTH AND PROFITABILITY BASED ON A STRONG MARKET POSITION.”



## MORE VALUE

### ECONOMIC PERFORMANCE

## GOAL

SIKA'S SUCCESS DIRECTLY BENEFITS ALL STAKEHOLDERS.

## 5-YEAR TARGET

OPERATING PROFIT (EBIT) ABOVE 10% OF NET SALES.

### HIGHLIGHTS STRATEGY 2018

## MARKET LEADER

REFURBISHMENT, CONCRETE REPAIR AND PROTECTION

## TECHNOLOGY LEADER

REDUCED CARBON FOOTPRINT BY MORE THAN 100 TONS CO<sub>2</sub>-EQUIVALENT

## 38% OF SALES

IN EMERGING MARKETS

## 24 ACQUISITIONS

IN 5 YEARS TO STRENGTHEN MARKET ACCESS, TECHNOLOGY, ECONOMIES OF SCALE

## 100% COMMITMENT

STRONG COMPANY VALUES



**ACCELERATED BUILDUP OF EMERGING MARKETS' POSITION**  
38% OF SALES IN EMERGING MARKETS

Sika focuses on emerging markets with strong structural growth. Today, more than 38% of sales are generated in emerging markets. The buildup of supply chains and technical competence are crucial for market success. USD 40 trillion will be invested in infrastructure globally until 2030, largely driven by increasing urbanization. By 2050, 70% of the global population will live in cities. More than 50 new airports will be built in China until 2015, and a high-speed railway network of 50,000 km will be constructed by 2020.



**GLOBAL MARKET LEADERSHIP**  
REFURBISHMENT, CONCRETE REPAIR AND PROTECTION

Sika is the industry leader in concrete repair and protection. Many years of research and development plus decades of practical experience have enabled Sika to provide systems to restore and rehabilitate damaged concrete structures. The use of polymer-based coatings results in material savings of more than 85% and a five times shorter curing time.



**ACQUISITIONS TO IMPROVE MARKET ACCESS, TECHNOLOGY, ECONOMIES OF SCALE**  
24 ACQUISITIONS WITHIN 5 YEARS (2009-2013)

Organic growth, i.e. growth driven by entrepreneurial endeavor, is the core of Sika's corporate strategy. This organic growth is compounded by carefully targeted external growth which offers a useful way of closing existing gaps in access to the target markets and consolidating fragmented markets. Particularly in Asia and Latin America, Sika pursues this policy as a means of steadily improving its market position.



**STRONG COMPANY VALUES**  
SIKA'S BRAND PERSONALITY

The Sika personality defines the attributes of the Sika Brand.

- Pioneering: Courage for innovation
- Team-oriented: Pleasure of working together
- Committed: Strength to persist



**GLOBAL TECHNOLOGY LEADERSHIP**  
HIGH PERFORMANCE STRUCTURAL GLAZING SOLUTION SAVES 39 TONS OF SILICONE ADHESIVES

Demand for bolder and creative facade design is increasing. The high-strength adhesives Sikasil® SG-550 and Sikasil® IG-25 for glass facades make new construction designs possible. The comparison of conventional products and the Sika solution for a 170-m high-rise tower project in central Asia with a glass facade of 60,000 m<sup>2</sup> is amazing: the Sika solution saves 39 tons of silicone adhesives. This corresponds to avoided emissions of more than 100 tons CO<sub>2</sub>-eq and an avoided cumulative energy demand of over 3,000 GJ.

Find more about economic performance  
[www.sika.com/sustainability](http://www.sika.com/sustainability)

# LEADING BY EXAMPLE



**MORE VALUE**

**SUSTAINABLE SOLUTIONS**

**GOAL**

WE ARE LEADING THE INDUSTRY BY PIONEERING A PORTFOLIO OF SUSTAINABLE PRODUCTS, SYSTEMS AND SERVICES.

**5-YEAR TARGET**

ALL NEW PRODUCT DEVELOPMENTS ASSESSED  
ALL ROAD MAP PROJECTS IMPLEMENTED.

**PROJECT HIGHLIGHTS**

**109,000 TONS CO<sub>2</sub>**  
SAVED WITH VISCOCRETE TECHNOLOGY

**50% ENERGY SAVINGS POTENTIAL**  
WITH WHITE SOLAR REFLECTIVE MEMBRANES

**1,300 TONS**  
ROOFING MEMBRANES RECYCLED  
WITH SIKA RECYCLING SYSTEM

**LEED PLATINUM TO BE ACHIEVED**  
WITH CUSTOMIZED PRODUCT PORTFOLIO  
FROM ONE SOURCE

**INNOVATION DRIVES GROWTH AND SUSTAINABILITY**

Kaspar Winkler, founder of Sika in 1910, laid the foundations for the success of the company with his innovations. Since those early days, continuous innovation has been the key driver of the successful growth strategy. Sika innovates to reduce the environmental footprint, to increase the efficiency of products and solutions along the entire value chain and thus responds to the market demand for sustainable solutions.

**INCREASING CUSTOMER BENEFIT AND REDUCING ENVIRONMENTAL IMPACT**

The contribution of Sika's solutions with regard to sustainability megatrends is measured by Life Cycle Assessment (LCA) along the value chain. Sika designs, improves, promotes and sells products, systems and project-specific solutions by taking systematically into account aspects of sustainable construction and transportation, e.g. energy, resource and material efficiency.

The sustainability profile of products, systems and services is closely linked to their excellent performance. Sika stands for products which are technically superior, user-friendly and sustainable during their life span from application to deconstruction. Sika's products are designed for long-term use, providing more value than comparable alternative products over their life cycle. Technology and sustainability, also from a strategic point of view, are closely linked to each other. Superior technology and services provide additional value and enhanced performance.



**REDUCTION OF ARGOS' CARBON FOOTPRINT, COLOMBIA**

PRODUCTION PLANTS IN COLOMBIA

The cement and concrete producer Argos was seeking cost optimization of concrete mixes in all main plants, in Colombia. Sika's ViscoCrete® technology enabled the introduction of a paste volume optimization program throughout Argos' plants, thus reducing cement and water content per cubic meter concrete by 17%. Argos' annual carbon footprint was reduced by 109,000 metric tons of CO<sub>2</sub> which corresponds to the electricity consumption of 500,000 inhabitants in Bogota D.C.

Find more about sustainable solutions [www.sika.com/sustainability](http://www.sika.com/sustainability)



**ENERGY AND CO<sub>2</sub> SAVINGS, SPAIN**  
SUPERMARKET IN GIRONA

An international food discounter chain opted for a highly-durable, long-lasting roofing system for its store in Girona. The customer decided for a Sika solution with an energy savings potential of 50% over time by reduced cooling compared to mainstream competitive technologies.



**RECYCLING PARTNERSHIP WITH TARGET, USA**  
DEPARTMENT STORE OLATHE, KANSAS

In 2007 Sika partnered with the US department store "Target" to recycle old PVC membranes from reroofing projects across the US and replacing them by a new Sika roofing solution. More than 1,300 tons of old roofing membranes have been recycled by Sika and converted into new roofing membranes. The partnership supports Target's efforts to eventually become a zero-waste company and to achieve their sustainability goals through increased material efficiency.



**LEED PLATINUM PROJECT, GREECE**  
SIKA SOLUTIONS FROM ROOF TO BASEMENT

The Stavros Niarchos Foundation Cultural Center (SNFCC) in Athens, a EUR 560 million investment, has been the first LEED Platinum project of such a scale in Greece. The Sika solutions for this ambitious project encompass products and services from roof to basement. They comply with all LEED requirements and the voc budget of the project, helping the customer to achieve this ambitious green building certificate.



**KOICHI OBA**  
HEAD OF CORPORATE TARGET  
MARKET ROOFING

**“ROOFING SYSTEMS FROM SIKA ENABLE TECHNICAL SOLUTIONS WITH A LONGER SERVICE LIFE. PROVIDING SUSTAINABLE SOLUTIONS ON TOP OF ENGINEERING SERVICES WILL HELP CUSTOMERS GENERATE ADDED VALUE AND ALWAYS STAY ONE STEP AHEAD OF THE COMPETITION.”**



## MORE VALUE

### LOCAL COMMUNITIES AND SOCIETY

## GOAL

WE BUILD TRUST AND CREATE VALUE - WITH CUSTOMERS, COMMUNITIES AND WITH THE SOCIETY.

## 5-YEAR TARGET

5% MORE PROJECTS PER YEAR.

### LOCAL COMMITMENT

Sika cares for the quality of life of its employees and the communities where it operates. The company aims to be a good corporate citizen and to support and engage in projects and initiatives that foster the sustainable development of the local communities. Sika strives to establish long-term collaborations and mutual partnerships. Besides financial contributions, Sika supports local communities through knowledge transfer and donations in order to contribute effectively to the society and the environment in which the company and its employees are embedded.

### PROMOTING ON-THE-GROUND SELF-HELP

On a global level, Sika focuses its sponsoring activities on social, environmental, educational, cultural and sport related projects. In order to safeguard a lasting impact of the projects, Sika strongly builds on the principle of on-the-ground self-help. The local Sika subsidiaries provide specific aid and, working

### PROJECT HIGHLIGHTS

## 100 PARTNERS

WORLDWIDE FOR WATER CONSERVATION ACROSS THE GLOBE

## 30 PROJECTS IN 17 COUNTRIES

SUPPORTED BY ROMUALD BURKARD FOUNDATION

## 900 SURGERIES

USD 100,000 ANNUALLY FOR OPERATION SMILE VIETNAM

## CHF 7 MILLION

NEW PROFESSORSHIP FOR SUSTAINABLE CONSTRUCTION

with local partners, supervise the projects up to completion. Additionally, Sika subsidiaries and the Sika Group are making donations to provide relief to people in the aftermath of catastrophes.



**ROMUALD BURKARD FOUNDATION, WORLDWIDE**  
OVER 30 PROJECTS IN 17 COUNTRIES SUPPORTED

In remembrance of Romuald Burkard, who represented the third generation of Sika's founder family Winkler, the Romuald Burkard Foundation was created in 2005 to promote on-the-ground self-help. Through this fund the local Sika companies in developing countries support social and ecological projects, for example building and infrastructure projects to fulfill social and ecological needs such as water reservoirs and wastewater treatment.



**OPERATION SMILE VIETNAM, VIETNAM**  
SURGERY TO 900 CHILDREN BORN WITH CLEFT LIP AND PALATE

Operation Smile Vietnam (osv) is an NGO founded in 1989, as part of Operation Smile International. It is dedicated to providing free treatment to children and adults suffering from cleft lips and cleft palates. Sika Vietnam has entered into a strategic partnership with Operation Smile Vietnam to heal children's smiles and give them the prospect of a full and normal life. Thanks to Sika's contribution of 100,000 USD per year, Operation Smile Vietnam was able to sponsor 13 local missions during March, 2010 to December, 2013 which offered surgery to 900 Vietnamese children.

**GLOBAL NATURE FUND, WORLDWIDE**  
100 ORGANIZATIONS, MODEL PROJECTS IN BURUNDI, KENYA, COLOMBIA AND MONGOLIA

The Global Nature Fund network with more than 100 partner organizations for water conservation from 45 lake regions advocates sustainable development and protection of potable water, lakes and wetlands. The main purpose of this international initiative is the conservation and protection of natural resources, primarily the drinking water reservoirs of the earth. UN studies show that about 1.4 billion people suffer from water shortages or bad water quality today.



**UNIVERSITY ETH ZURICH, SWITZERLAND**  
ALLOCATION OF CHF 7 MILLION TO SUPPORT THE NEWLY CREATED PROFESSORSHIP

Sika sponsors scientific projects and a new professorship for sustainable construction at the ETH Zurich. Furthermore the Sika Master Award is granted to the author of an outstanding master thesis in the field of applied chemistry upon recommendation of the ETH's Department of Chemistry and Applied Biosciences.

Find more about local communities and society  
[www.sika.com/sustainability](http://www.sika.com/sustainability)



**YUMI KAN**  
AREA MANAGER,  
SOUTH EAST ASIA I

“WE SUPPORT LOCAL COMMUNITIES TO IMPROVE PEOPLE’S LIVES. SINCE 2010 WE HAVE BEEN A STRATEGIC PARTNER OF OPERATION SMILE VIETNAM (OSV). THIS IS ONE OF THE ANNUAL SPONSORSHIPS OF SIKA VIETNAM, WHICH IS NOT ONLY MEANINGFUL TO CHILDREN BUT ALSO TO SIKA EMPLOYEES WHO ARE VOLUNTEERING.”

# UNLIMITED COMMITMENT

LESS IMPACT

ENERGY

**GOAL**

WE MANAGE RESOURCES AND COSTS CAREFULLY.

**5-YEAR TARGET**

MINUS 3% RATE, PER TON AND YEAR.

**ENERGY AFFECTS ALL ASPECTS OF DEVELOPMENT**

Global megatrends, such as energy and raw materials shortages, urbanization and population growth, are confronting companies and communities with major economic, social and ecological challenges. Availability and efficient use of energy and resources are crucial to sustainable development and poverty reduction. Energy availability and efficient use affect all aspects of development – social, economic, and environmental – including agricultural productivity, wealth, social progress, greenhouse gas levels and smog.

Energy consumption is a relevant factor throughout the value chain of the construction and transportation industries. Sika's production is less energy intensive compared to the supplier industries, specifically the chemical industry, but to a large extent based on nonrenewable energy sources. This exposes Sika to price volatilities, supply uncertainties and increasing regulatory interventions related to CO<sub>2</sub> emissions resulting from energy consumption. Therefore, Sika believes that energy efficiency and mitigation of emissions is a major driver of its overall efficiency effort.

**PROJECT HIGHLIGHTS**

3,695 TONS CO<sub>2</sub>  
REDUCED BY REPLACING COAL THROUGH RICE HUSKS

979,000 KWH  
ENERGY SAVED WITH RELAMPING OF WAREHOUSE AND FACTORY

31,535 KWH  
SOLAR ELECTRICITY PRODUCED AT FRENCH PLANT

105 KWH/M<sup>2</sup>  
PER YEAR  
ENERGY CONSUMPTION AT DGNB®-CERTIFIED TRAINING CENTER

**EFFICIENT PRODUCTION**

Apart from raw materials, energy consumption of Sika's operations and production processes is a resource input and a relevant cost factor. Therefore the efficient use of energy is of high importance. CO<sub>2</sub> is a consequence of the fossil energy consumption, which can only be limited by increasing energy efficiency. Sika sees it as its particular responsibility to minimize impact with regard to climate change by reducing energy consumption from nonrenewable sources with the positive effect to reduce cost and increase competitiveness.

# IN ORDER TO MANAGE LIMITED RESOURCES







**RICE HUSKS AS COAL REPLACEMENT  
IN STEAM BOILERS, JIANGSU SIKATMS  
ADMIXTURE CO. LTD.**  
PLANT NANJING, CHINA

Standard coal was replaced by rice husks to fire powder dryers and to reduce the factory's CO<sub>2</sub> emissions. The replacement of around 1,500 tons of coal annually led to an emission reduction of 3,695 tons CO<sub>2</sub> per year. The silica-rich ashes are used as raw material in admixtures to substitute silica fume.



**DGNB®-CERTIFIED SIKATRAINING CENTER,  
SIKA GERMANY GMBH**  
PLANT STUTT GART, GERMANY

Sika products were used for the construction of a new multipurpose building according to the challenging German Sustainable Building Council (DGNB®) green building requirements. The building has a low operational energy use of 105 kWh/m<sup>2</sup> per annum, which is 23% less than required by the German regulations. Together with other partners, Sika was involved in the initial development of a DGNB® guideline assisting architects, planners, contractors and owners in the selection and documentation of construction products for DGNB® projects.

**Find more about energy**  
[www.sika.com/sustainability](http://www.sika.com/sustainability)



**FACTORY AND WAREHOUSE  
RELAMPING, SIKACORPORATION**  
PLANT LYN DHURST, USA

The installation of energy efficient interior and exterior lighting led to electricity savings of 979,000 kWh per year. Annual CO<sub>2</sub> emissions of 612 tons were avoided. The project was eligible for a New Jersey State incentive to encourage companies to install energy efficient luminaires.



**CONSTRUCTION OF A SOLAR PARK,  
SIKA FRANCE SA**  
PLANT MARGUERITTES, FRANCE

The installation of 25 kWp crystalline solar panels improved the energy efficiency of the Sika factory by providing 31,535 kWh of solar energy annually, corresponding to 9% of the plant's energy consumption. A contract with the local energy provider (EDF) has been signed to feed surplus energy into the local power grid.



**JORGE HERNANDEZ**  
OPERATION MANAGER,  
SIKA SPAIN S.A.

**“USING LESS ENERGY TO ACHIEVE THE SAME RESULT AND USING THE SAME AMOUNT OF ENERGY TO PRODUCE BETTER RESULTS – THIS FORMULA HAS BECOME INCREASINGLY IMPORTANT FROM BOTH AN ECONOMIC AND AN ENVIRONMENTAL POINT OF VIEW.”**

# MANIFOLD DEMANDS, ONE OBJECTIVE: REDUCED IMPACT

LESS IMPACT

WATER/WASTE

## GOAL

WE INCREASE THE WATER AND MATERIAL EFFICIENCY.

## 5-YEAR TARGET

MINUS 3% RATE, PER TON AND YEAR.

PROJECT HIGHLIGHTS

8,000 M<sup>3</sup>  
RAINWATER  
COLLECTED TO FEED INDUSTRIAL PROCESSES

2,400 M<sup>3</sup> WATER  
SAVED WITH WATER TREATMENT  
FACILITY UPGRADE

287 TONS  
PACKAGING WASTE  
AVOIDED BY ESTABLISHMENT OF AN INTERNAL  
QUALITY CONTROL SYSTEM

520 TONS  
PRODUCTION SCRAP  
REUSED WITH RECYCLING EQUIPMENT



**WATER - A VALUABLE ASSET**

Sika aims to boost the sustainability performance of its production sites by reducing water consumption and treating water locally. The company implements measures to reduce consumption or to use lower-grade water qualities especially in geographies with water scarcity.

Efficient production means closed loop cooling and switching from public to surface and ground water, reducing the amount of drinking water used in production. With the reuse of wastewater Sika aims to reduce its water consumption on a larger scale.

**WASTE - A VALUABLE RESOURCE**

Efficient use of input materials is of very high importance to all Sika companies as production processes are material intensive using high volumes of nonrenewable resources.

Efficient production in this context means reducing and reusing production scrap, reducing and reusing packaging materials and improving packaging design, leading to higher productivity and lower material use.



**ANYELO MARTINEZ**  
EHSQ MANAGER  
SIKA COLOMBIA S.A.



**INDUSTRIAL WATER SUPPLY  
82% BASED ON RAINWATER,  
SIKA COLOMBIA SA**

PLANT TOCANCIPA, COLOMBIA

Sika Colombia installed a central water collector, separate tanks and pipelines to feed rainwater into the industrial processes in its Tocancipa plant. A specific water treatment filter system keeps water quality on the required level leading to a 70% reduction of total water consumption. More than 8,000 m<sup>3</sup> of rainwater are collected and used annually, corresponding to 82% of water used.

**Find more about  
water and waste**

[www.sika.com/sustainability](http://www.sika.com/sustainability)



**UPGRADE OF WASTEWATER TREATMENT FACILITY, SIKA S.A.U.**  
PLANT ALCOBENDAS, SPAIN

To reduce wastewater discharge, the existing wastewater treatment facility was upgraded with ceramic ultra- and nanofiltration membranes. This resulted in tap water savings of 200 m<sup>3</sup> per month (-25%). The quality of the treated water allows its reuse in cleaning processes of the loading bulk station and in the water treatment plant too.



**PACKAGING WASTE REDUCTION, SIKA YAPI KIMYASALLARI AS**  
PLANT TUZLA, TURKEY

The cooperation with a licensed recycling company and the introduction of an internal quality control system in 2012 boosted the reuse of product and raw material intermediate bulk containers (IBC) for product supply. Within a year, the reused IBC volume increased from 115 tons to 287 tons and the quantity of packaging waste and the need for new IBC containers dropped significantly.



**RECYCLING OF PVC PRODUCTION SCRAP, SIKA CHINA LTD.**  
PLANT SHANGHAI, CHINA

Significant material and cost savings could be achieved at the Shanghai plant by granulating polyester scrim and felt-back materials, and feeding the materials back into the production process. Material recycled and reused in new membranes increased up to 520 tons in 2013.

**“WATER IS THE OIL OF THE TWENTY-FIRST CENTURY. WE ARE USING RAINWATER IN OUR FACTORY IN BOGOTA AND ARE CONSTANTLY SEARCHING FOR LOW-IMPACT AND LOW-COST ALTERNATIVES TO ASSURE OUR GROWTH, NOT ONLY ECONOMICALLY, BUT ALSO SOCIALLY AND ENVIRONMENTALLY. THIS IS SUSTAINABILITY.”**

# A WORLD IN WHICH WORK IS SAFE AND HEALTHY

### SAFE AND EFFECTIVE ORGANIZATION, SYSTEMATIC WORK PROCEDURES

The health, safety and well-being of all Sika employees are essential to the success of its business and are core concerns throughout the organization. This requires focus and a systematic approach: occupational standards, management commitment, employee involvement, work site and risk analysis, hazard recognition and resolution, training and education are key components of Sika's health and safety framework.

- Regulatory standards: Ambitious health and safety standards are in effect throughout the organization. Local standards may complement global regulatory requirements.
- Management commitment: For a safe and healthy workplace, all hazards have to be identified, protections to be established and maintained.
- Employee involvement: Supervisors are responsible for ensuring a safe workplace and proper use of machinery, equipment and raw materials. They involve regularly with their teams.
- Site and risk analysis: Risk assessments help to define what's needed to keep people safe. They are regularly organized and executed by corporate operations and by local teams.
- Hazard recognition and resolution: Inspections focus on accident prevention, due to new equipment, processes, materials or the revision of existing procedures.
- Training and education: Job safety performance is required from everyone working at Sika. Managers and supervisors ensure that employees know about the materials and the equipment they use, know hazards, and how to resolve or control them.

### HEALTH AND SAFETY CULTURE

Sika strives to live up to its commitments regarding health and safety: "Nothing we do is worth getting hurt for." The company has implemented management systems according to ISO 14001 and OHSAS 18001 in all major sites. A strong safety culture is embedded in every Sika site.

### LESS IMPACT

#### OCCUPATIONAL SAFETY

## GOAL

OUR PEOPLE LEAVE THE WORKPLACE HEALTHY.

## 5-YEAR TARGET

ACCIDENT RATE MINUS 5% PER YEAR.

### PROJECT HIGHLIGHTS

60% LESS  
ACCIDENTS

THROUGH SAFETY AWARENESS PROGRAM

0 ACCIDENTS

WITH SAFETY FIRST CULTURE PUT IN PLACE

97% LESS DAYS

LOST FROM ACCIDENTS WITH LEAN  
MANAGEMENT AND 5S TOOLS

78% LESS TIME  
CONSUMED

BY ACCIDENTS DUE TO SAFETY AWARENESS  
PROGRAM



**SAFETY AWARENESS WEEK,  
SIKA ASIA/PACIFIC**  
38 PLANTS IN 13 COUNTRIES,  
ASIA/PACIFIC

Safety awareness weeks were held at 38 production sites in the region Asia/Pacific to improve overall safety awareness of employees and contractors in order to reduce industrial accidents and incidents. For each country, Sika established a safety schedule, an activity list and a local steering committee. Occupational accidents and days lost decreased by 60% in 2013 compared to 2010 (baseline).

**Find more about  
occupational safety**  
[www.sika.com/sustainability](http://www.sika.com/sustainability)



**SAFE WORKING PRACTICE,  
SIKA AUSTRALIA**  
PLANTS WETHERILL PARK, ADELAIDE,  
BRISBANE, MELBOURNE, AUSTRALIA

The establishment of a safety first culture to create a safe and healthy work environment led to significant improvements of the safety performance. Occupational accidents and days lost from accidents came down to zero in 2013.



**5S TOOLS IN SAFETY MANAGEMENT,  
SIKA UK LTD.**  
PLANT WELWYN GARDEN CITY, UK

Lean management and the introduction of 5S tools in safety management helped to increase the awareness and commitment of employees to improve the safety of their working environment. "Safety Flashes" raised awareness amongst employees and informed about success stories. Total days lost from accidents fell from 80 (2012) to 2 in 2013 (-97.5%).



**ZERO ACCIDENT ASPIRATION VIA  
"NOUVEL ÉLAN" PROJECT, SIKA  
FRANCE S.A.**  
PLANT GOURNAY, FRANCE

The project "Nouvel élan" had the objective to raise safety awareness throughout the plant by conducting root cause analysis and implementing respective action. Total days lost from accidents dropped by 96% and lost time accidents decreased by 78% from 13 (2010) to 3 (2013) as a result of a significant improvement of the safety performance across all levels.



**STEFAN ODERBOLZ**  
HEAD OF OPERATION  
ASIA PACIFIC

**"OUR SAFETY CULTURE AND HEALTHY WORKPLACE ENVIRONMENT ARE AT THE HEART OF EVERYTHING WE DO. THAT MEANS WE PROMOTE AND MAKE EVERY EFFORT TO ACHIEVE THE HIGHEST-POSSIBLE DEGREE OF PHYSICAL, MENTAL AND SOCIAL WELL-BEING OF OUR EMPLOYEES. WHEN IT COMES TO OCCUPATIONAL INJURIES AND ILLNESSES, WE HAVE AMBITIOUS GOALS: ZERO OCCUPATIONAL INJURIES OR ILLNESSES."**

# PROMOTING SUSTAINABLE GROWTH



Sika forges links with organizations and governments to identify, develop and implement programs and projects needed to help address sustainability-related opportunities. Through environmental initiatives, regional cooperation programs and partnerships, Sika continues to promote sustainable growth throughout the world.

Sika is committed to creating sustainable added value along the entire value chain. The company is committed to aligning its operations and strategies with the universally accepted principles in the areas of human rights, labor, environment and anticorruption established by the United Nations Global Compact Initiative.

**Find more about  
partnerships and memberships**  
[www.sika.com/sustainability](http://www.sika.com/sustainability)

# INITIATIVES SUPPORTED BY SIKA

WORLD BUSINESS COUNCIL FOR  
SUSTAINABLE DEVELOPMENT

RESPONSIBLE CARE

UNITED NATIONS GLOBAL  
COMPACT

UNITED NATIONS ENVIRONMENT  
PROGRAM (UNEP)

CARBON DISCLOSURE PROJECT

U.S. GREEN BUILDING COUNCIL  
(USGBC)

NETWORK SUSTAINABLE  
CONSTRUCTION SWITZERLAND

TRANSPARENCY INTERNATIONAL

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