

# WHAT'S NEW

AFRICA CUSTOMER MAGAZINE

## SIKA AT WORK

SOUTH AFRICA, MOZAMBIQUE,  
TUNISIA, EGYPT, SENEGAL,  
ALGERIA, NIGERIA,  
ANGOLA, MOROCCO

## SIKA EVENT

PROJEKT INSPIRE  
EXPO-INDUSTRIA  
POST STUDENT TRAINING  
SIKA ACADEMY in AFRICA

## SIKA NEWS

SIKALATEX NEW PACKAGING  
MAKE IT PRO CAMPAIGN  
NEW OFFICE IN ALGERIA

## SIKA INNOVATION

SIKA® CARBODUR® FRP DESIGN SOFTWARE  
SIKA MONOTOP® 4400 MIC - BIOGENIC CORROSION

# EDITO

Dear customers and employees,

It is with a great pleasure that we address again to our valuable customers and employees in Africa and specially in these challenging circumstances of the worldwide Covid pandemic.

We care and sincerely hope that yourselves and families are safe and will remain so in the coming months.

African continent has the energy, the will and the solidarity to face this virus.

Sika in Africa has and will continue to take all sanitary measures and precaution at work to protect employees and all stakeholders such as our dear customers.

We do our best to also maintain our activities to produce and supply our customers under the best conditions to ensure business continuity.

We also want to share with you some of the most emblematic and major construction projects in Africa where Sika has contributed on 2019 which has been again a year of successful growth.

Our organic growth was complemented by Parex acquisition worldwide from June 2019 with the presence of Sodap in Morocco and Mortero in Algeria which come as an extension of Sika footprint and products offer to customers in those two countries : we are warmly welcoming again all their employees into Sika family !

As you may know Sika in Africa has been exposed from mid of March to the Covid-19 and many countries have entered into lockdown at an early stage like Tunisia, Morocco, and Algeria. This was later applied in South Africa, Nigeria, Kenya, and partially in Egypt. Accordingly, our overall sales were already negatively impacted.

Despite the best efforts of many governments to prevent the spread of the pandemic with containments in many countries (which are very difficult to efficiently apply), the fact that no subsidy is available combined with a huge majority of all African workers earning daily income make the pressure high to release the lockdowns and gradually restart activities. Many oil and gas countries such as Algeria, Nigeria, and Angola will also have to face budget deficits, and stop or postpone many public infrastructure projects.



Since March until now Sika deployed a lot of energy to keep closely in touch with all our customers while using Sika Africa Academy for Webinars to be ready and anticipate your needs when restart is possible.

So far, many countries such as Senegal, Cameroon, Ivory Coast, Tanzania, and Ethiopia were not subject too much to lockdown and have been able to continue growing steadily.

Sika in Africa has decided to do all possible to protect employment while reducing other costs to mitigate 2020 Covid losses on Sales.

The whole Africa Team was also remotely very active, taking advantage of the situation to work on ERP's migration, R&D processes and domestication of new products, updating our websites, performing video trainings, progressing with factory operation efficiencies, and rolling-out 5S methodology in many places.

We have also been able, in these challenging times, to work on the acquisition of a bituminous company in Egypt. The integration of this company will secure a dominant domestic market share position in Egypt and will allow us to export all over Africa, benefiting from Sika's existing platform to access and penetrate the markets.

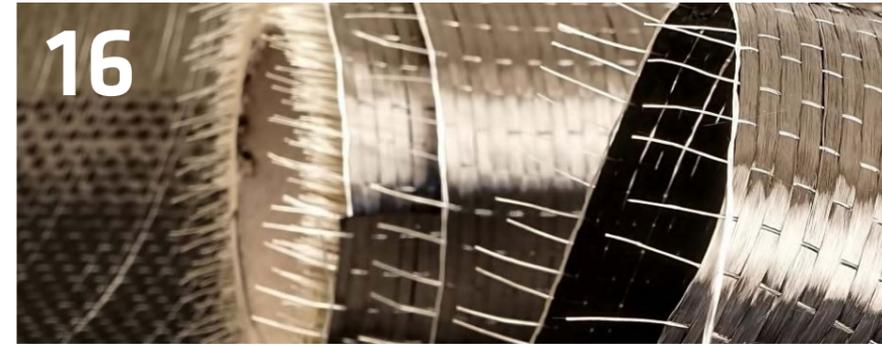
I feel the Africa organization overall is fit and ready to overcome these challenging times and restart growth using our best competitive advantages being locally close to customers' needs.

I want to thank and reward the Trust our customers have into Sika and reassure the permanent commitment of all our employees to always do more and better.

Keep safe and best regards.

**Jean de Martres**, Africa Area Manager

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## SOUTH AFRICA - REHABILITATION OF THE KOMATI RIVER BRIDGE



### PROJECT DESCRIPTION

Komati River Bridge is located on the N4 section 8 at km 67.0 and is an important river crossing for freight travelling between South Africa and Mozambique.

### PROJECT REQUIREMENTS

A number of defects were identified during the SANRAL routine inspection in 2014. The main defects included locked bearings, shear cracks and bending cracks in the deck beams. The shear and bending cracks were believed to have been caused by locked in thermal loading caused by seized bearings.

March 2017 saw the start of the project when Sika's specialized products were specified by DSC Zendon. The client, SANRAL required that the bridge needed a complete rehabilitation. Sika technical team were on hand to provide a suitable solution using their renowned products.

- Project owner: Trans Africa Toll Concession (TRAC)
- Design office: SMEC
- Main contractor: Raubex
- Specialist contractor: DSC Zendon/MBR/Ibhayi

### SIKA SOLUTIONS

Sikadur<sup>®</sup>-52 Injection was used for crack injection. To prepare the work, all cracks were cleaned by hand with a steel brush A 5 mm. After cleaning, copper pipes were used to inject the epoxy into the crack. Those copper pipes were fixed to the concrete with an epoxy paste Sikadur<sup>®</sup>-31.

Sikadur<sup>®</sup>-52 Injection was pumped into the crack with a pressure pump. The injection started at the bottom pipe till the top to allow epoxy to fill the crack and injection stopped when the epoxy oozed out at the top. The injection cured for 24 hours and the copper pipes were protruded and epoxy paste Sikadur<sup>®</sup>-31 was removed by grinding.

All areas strengthened were inspected and damaged areas were repaired during the concrete preparation stage, as well as all unevenness or protrusions were grinded flush. The purpose of the concrete preparation stage was to remove any laitance from the surface of the concrete by grinding and to provide a clean and sound substrate to apply the carbon fiber strips.

Sikadur<sup>®</sup>-30 was used with carbodur composite carbon fiber strip cutted according to specified sizes.

Sikadur<sup>®</sup>-30 epoxy adhesive was applied onto the carbon fiber strips with a scraper or application tool and installed onto the beams as per the drawings.

### CHALLENGES

One of the key challenges during this project was the environment that the contractor had to work in and the requirement that the road over the bridge had to remain open during the rehabilitation process.

In addition crocodiles in the river posed an additional safety risk.

Another challenge was to keep the workers hydrated during the extreme heat conditions. During the rainy season, potential flooding was an issue.



## MOZAMBIQUE

### AGILITY WAREHOUSE PARK – MAPUTO

Agility Warehouse Park is a global logistics company providing freight, transportation, warehousing and supply chain management services to public and private companies. In Maputo, its structure occupies an area of 29000m<sup>2</sup>, consisting of 11 warehouses with 1000m<sup>2</sup> and a shopping mall. Located in Maputo, next to Maputo Ring Road, this complex offers its customers a variety of services according to their needs.

#### SIKA SOLUTIONS

- 5 Sika® BlackSeal Brick
- SikaGrout®-212 MZ
- Sikafloor®-3 QuartzTop
- Sika AnchorFix® S
- Sikaflex®-11 FC +
- Sikagard®-63 N
- Sikagard®-720 EpoCem®
- SikaCeram®-50
- SikaCeram®-205
- SikaCeram®-620

- Owner: Agility Public Warehousing Company
- Contractor: Unibasma, Lda
- Ready Mix Concrete company: Servi Futuro, Lda



## TUNISIA

### PALM LAKE RESORT MONASTIR

Palm Lake Resort Monastir is a unique real estate project in Tunisia. It's built around an artificial lake with a residential environment associated to commercial and entertainment facilities. The project covers an area of 8 hectares composed of:

- 5 pools with seawater including a 2200 sqm beach pool
- 500 sqm of aquatic play areas for children
- Artificial lake at 900 m seawater promenade
- Mall and a traditional souk
- 600 seats amphitheater
- Apartments

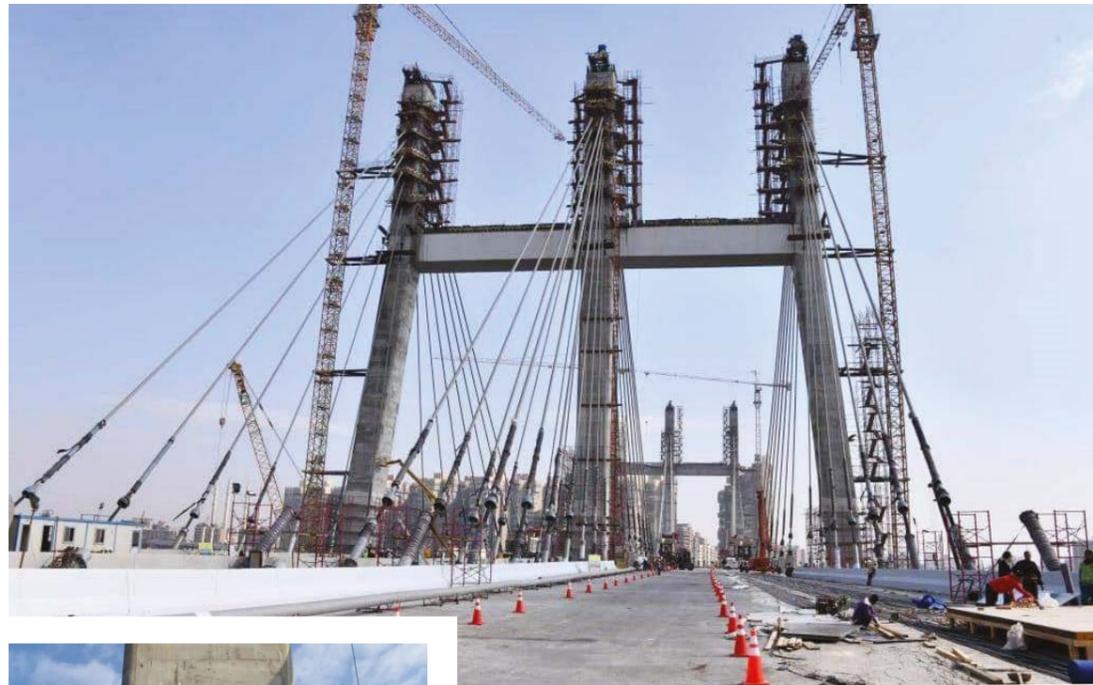
#### KEY ADVANTAGES OF SIKA SOLUTIONS

Folla Properties, understood clearly the main advantages of working with a supplier that can offer a full range of products and innovative solutions, besides the technical support. Sika here was able to work together with project owner since the design to the construction phase. This project is still ongoing.

#### SIKA SOLUTIONS

- Sika® WT 200 P
- SikaSwell® S-2
- SikaSwell® A 2005
- Owner: FOLLA IMMOBILIERE
- Main contractor: NOUHADE BÂTIMENT
- Ready Mix Concrete company: SOBIG

# EGYPT - ROD EL-FARAG AXIS



## PROJECT DESCRIPTION

Rod El-Farag two-way axis, estimated to cost around 500 million CHF, comprises six lanes of roads in each direction along with two lanes for buses and an electric metro train line, containing almost the biggest flyover in the world, saving 200000 liters of fuel per day. The project has taken 300000 tons of steel and a million cubic meters of concrete.

- Owner: Army Engineering Authority
- Main contractor: Arab Contractor
- Consultant: ACE Arab Consulting Engineers

## PROJECT REQUIREMENTS

- For the future repair and maintenance strategy, long-term concrete protection system was required in accordance with the principles and methods defined in European Standard EN 1504. For more than 600000m<sup>2</sup> of concrete surface, Sikagard®-550 W Elastic system with anti carbonation protection was used.
- Cement base free flowing micro concrete grouting for bridge bearing plates with early strengths and flowability.

## SIKA SOLUTIONS

### REFURBISHMENT

- Sikacrete®-114 grouting and precision application for the bridge bearing plate
- Levelling pore sealer and repairing of concrete using SikaRep® and SikaWall®-110 Cemputty
- Sikagard®-552 W Aquaprimer is part of a system that complies with the requirements of EN 1504-2 as a protective coating
- Sikagard®-550 W Elastic is used for protection with High diffusion resistance against CO<sub>2</sub> reducing the rate of carbonation

### CONCRETE

- Sika ViscoCrete®-3425 which represents Sika third generation superplasticizer
- SikaFume® a concrete additive of a new generation in powder form, based on Sika silica fume technology
- Intraplast® Z expanding grout admixture suitable for use in the grouting pre-stressed cable ducts

### PRODUCTS

- Sika ViscoCrete®-3425
- SikaFume®
- Intraplast® Z
- Sikacrete®-114
- SikaRep®
- SikaWall®-110 Cemputty
- Sikagard®-550 W Elastic
- Sikagard®-552 W Aquaprimer

## SPECIAL REQUIREMENTS

- Concrete compressive strength of 75 MPa.
- Anti carbonation protection with low VOC emission which meet the Government environmental programmes.
- The grouting for the bridge bearing plate with flowability and pouring thickness application in one layer and high early strengths to meet schedule of the project.
- Complete system for Sika anti carbonation including concrete repair and levelling.



## SENEGAL PROJECT OF THE MAMELLES TOWER

The Mamelles tower is one of the major projects of the CDC Group (deposit and consignment office) carried out under the PSE label. Its ambition is to participate in the modernization of Dakar and be able to offer top world-class facilities in the capital.

The tower will provide 40000 square meters of office space for investors in a propitious setting, with a business center, equipped conference, leisure facilities and restaurants. The design was done by a team of Senegalese engineers, architects and financiers in record time of 6 months when a project of the same size would easily take 3 times more time. The overall cost of the project is estimated at 38 billion CHF, of which 25 billion were executed by the Senegalese company, Serterm by Leopold Ngom.

### SIKA SOLUTIONS

The solutions proposed by Sika Senegal are:

- Sika Viscocrete® TEMPO 12
- Sika Hydrofuge Liquide
- SikaSwell®-A 2010
- Sika® Waterbar® D-24 and D-32

The solutions under evaluation are:

- Casing system meeting the requirements of CCT42 and CCT43: SikaTop®-111, SikaTop®-145 Cuvelage, Sikadur® Combiflex®, Sika MonoTop®-410 R and SikaFlex® PRO-11 FC
- Solution for liquid sealing: damp rooms and intermediate floors: SikaLastic®-850 W
- Tile adhesive solutions: C0, C1 and C2 classification according to EN 12004

- Contracting authority: CDC Group
- Project manager: CDC Group
- Main contractor: SERTEM GROUPE



## ALGERIA NEW AIRPORT IN DAR EL BEIDA

The construction of the new airport in Dar El Beida with the curved roof located near the current airport in the city of Algiers represents one of the essential vectors for the development of Algeria, as well as, the crossroads of trade between Africa, Europe and America. More users will be able to visit the country with better services quality and organization. The new airport covers an area of 20 ha with a capacity of more than 10 millions passengers per year in addition to the current international airport (6 million passengers per year).

### SIKA SOLUTIONS

- For 500000 m<sup>3</sup> total quantity of concrete, Sika proposed the Sika® ViscoCrete® TEMPO 12. High range water reducer / superplasticizer for high mechanical strengths and the plastiretard setting retarder for pouring large quantities of concrete into hot weather avoiding cracks
- To avoid freezing and thawing of the concrete aerodrome platforms, the solution was Sika® Aer
- All expansion joints have been treated with sika joint backrod and Sikaflex® PRO-11 FC polyurethane sealant
- SikaGrout®-212 for the ground sealing of the cover of the metal frame superstructure
- Sika AnchorFix®-2+ was used for the anchoring of steels in sails and posts
- Concrete surface defects after formwork removal were taken up with Sika® MonoTop®-620 F and Sika MonoTop® SF 126 mortars
- The caulking of pipe and pipeline crossings was carried out with Sika Boom®
- The floor coverings of small stores were executed with the primer Sikafloor®-161 and the epoxy coat Sikafloor®-264

- Owner: The Airport Services and Infrastructure Management Company (SGSIA)
- Design office: The Airport Services and Infrastructure Management Company (SGSIA)
- Contractor: CSCEC



## NIGERIA DANGOTE OIL REFINERY

Located at Lekki Free Zone, Lagos, Nigeria, with an area of 2635 ha, Dangote Oil Refinery project constitutes the construction of an integrated refinery and petrochemical complex.

The refinery is expected to be the world's largest single oil refinery with capacity of 650000 barrels per day (bpd) to help to reduce Nigeria's dependence on imported petroleum, with an initial estimated investment around \$ 9bn (reviewed: 12 to \$ 14bn).

The new refinery would double Nigeria's refining capacity which will be able to meet Nigeria's entire domestic fuel demand, as well as export refined products. The refinery will have an annual refining capacity of 10.4 million tonnes (Mt) of gasoline, in addition to 4.6 Mt of diesel and 4 Mt of jet fuel. It will also produce 0.69 Mt of polypropylene, 0.24 Mt of propane, 32,000 ton of sulphur and 0.5 Mt of carbon black feed. The project is also expected to generate 9500 direct and 25000 indirect jobs.

### SIKA SOLUTIONS

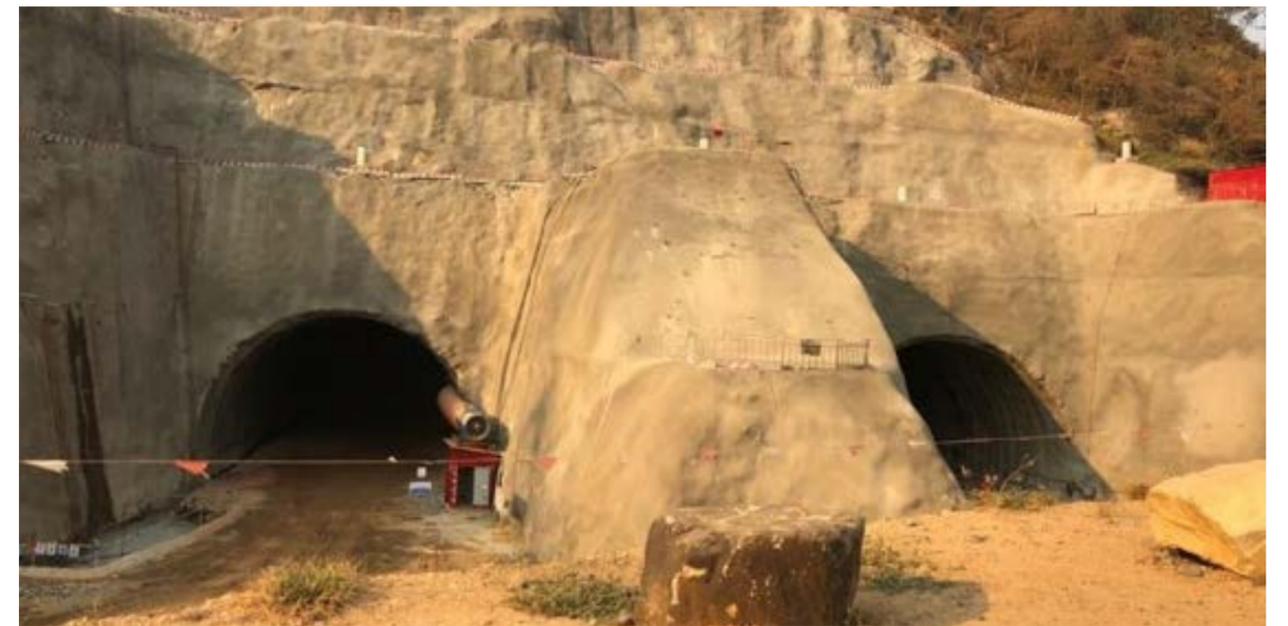
The project is currently in progress. Sika has been a major partner from the beginning in November 2017, providing technical solutions adapted in compliance with the project high construction standards:

- Owner: Dangote Group
- Consultant: Engineers India, Ltd

- Concrete admixtures: 4300 tons is the total quantity of admixtures to be supplied by Sika between 2018 and 2020. 80% of this impressive volume has been already supplied Sika® ViscoCrete® TEMPO-10 and Sikament NNR

- Cementitious grout: more than 1000 tons of SikaGrout®-212 has been used and supply is still ongoing

- Floor hardener: a supply of 300 tons of Chapdur® -Premix has been made



## ANGOLA CACULO CABAÇA DAM

Caculo Cabaça dam is the largest dam to be built in Angola with capacity to generate 2172 megawatts of electricity.

At 103 meters in height, the dam will be able to store 440 million m<sup>3</sup> of water and will have four plants in an hydraulic circuit with a capacity of 1100 m<sup>3</sup> of water per second.

The construction started in 2017 and will be finished by 2023 with the estimation around 1 million m<sup>3</sup> of concrete to be applied in total and total cost of 1139 million CHF.

Sika is supporting closely the jobsite needs with more than 20 site tests already done.

### SIKA SOLUTIONS

- Sigunit® L-500 AF
- Sikament®-HE 200
- Sika® Aer-5

- Consultant: CCGC Engenharia
- Main contractor: COBA

## MOROCCO - PORT "NADOR WEST MED"



Morocco, through the 2030 port strategy, seeks to position itself as a major player in international trade, particularly at the level of the Mediterranean and Europe. As part of this vision, a Moroccan "Nador West Med" oil transshipment port will be erected in Betoya Bay, located 30 km from the city of Nador, offering physical characteristics favorable to the construction of a deep water port and able to accommodate the largest current container ships from 16000 to 18000 twenty feet equivalents.

The "Nador West Med" port will include in its first phase the construction of a main dyke of 4200 meters and a counter-dyke of 1200 meters.

The two dikes will provide a 250 hectare body of water and two West and East container docks. To support it must be added the construction of three oil stations, a bulk station and a service quay.

The main dyke will include a 1500 meter embankment section and a 2700 meter caisson section. The caissons are large reinforced concrete structures with 24 cells which will be filled with water and then with sand in their final area.

- Owner: Nador West Med
- Main contractor: Consortium STFA SGTM

### PROJECT REQUIREMENTS

Given the importance of the box structure, the client prescribed high durability requirements from the design phase, the objective of which is to ensure a life of the structure of 100 years. These prescriptions concern among others: the selection of concrete aggregates, the choice of devices and means of implementation, the formulation of concrete, the choice of repair products, the choice of innovative products allowing to increase the lifespan of reinforced concrete structures, limiting the risk of cracking, assessing the risk due to the exposure of caissons at a young age in seawater, etc.

### SIKA SOLUTIONS

To meet these requirements, Sika Morocco team provided technical support to the client through technical training and closely followed the concrete formulations by proposing new generation additives that could ensure water reduction. This was important to achieve a water/cement ratio of 0.35 for the caissons and 0.41 for the accropods, as well as release agents and curing agents for better quality of the concrete.

Other requirements were expressed by the client, including the mechanical strengths to be attained at a young age for accropods with a cement CPJ 45 CLC (cement with slag and ash).

In addition to the admixtures, Sika Morocco team was able to prescribe repair and protection solutions for better durability of the structures meeting the requirements of the aggressive marine environment (Hydrophobic impregnation, resin coating, micro-mortar, R4 repair mortar).

- |                            |                               |
|----------------------------|-------------------------------|
| ■ Antisol® 2010            | ■ Sika MonoTop®-410 RM        |
| ■ Desacticim bleu          | ■ Sikadur®-52 Injection LP    |
| ■ Sika Isodecapl®          | ■ Sikagard®-706 Thixo         |
| ■ Plastiretard             | ■ Sikagard®-740 W             |
| ■ Sika® Fer M              | ■ Sikagrout®-212 Scellement M |
| ■ Sika® Separol® W-320     | ■ Sikalutex®                  |
| ■ Sika®ViscoCrete®TEMPO-10 | ■ SikaTop® 121 Surfaçage M    |
| ■ Sika® Epiter® TF 130     | ■ SikaTop® 107 Protection     |
| ■ Sikafloor®-161           | ■ SikaTop® 209 Réservoir      |
| ■ Sikagard®-63 N           |                               |

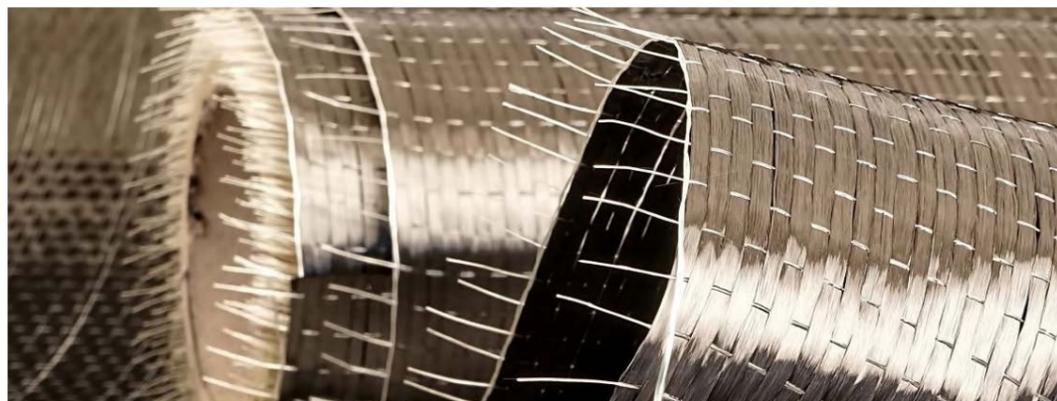


# SIKA® CARBODUR® FRP DESIGN SOFTWARE



The use of a building or civil engineering structure may change throughout the course of its service life - for example, its function can change, loads can increase or higher building standards become required and the structure must be made compliant. Historical or landmark structures may need to be reinforced in a discrete way without impacting the original design or forms.

To extend the longevity of the structure for many decades to come, structural strengthening is a safe, secure choice. Sika provides fully comprehensive, complete systems for all kinds of structural strengthening. Whether the requirement is to increase the bending, shear or seismic resistance, tested and proven Sika systems are available for use on reinforced concrete, steel, wood and masonry load-bearing structures.



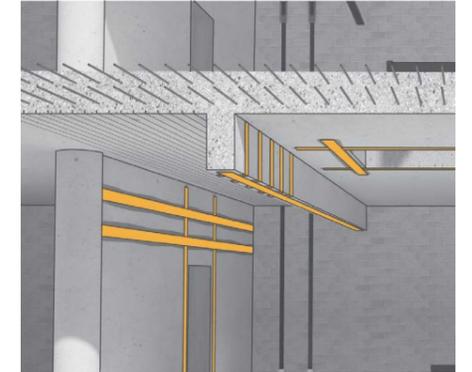
## Full Range of Solutions to Meet Local Requirements

### Carbon Fiber Reinforced Polymer (CFRP) Plates

- Prefabricated Carbon Fiber Reinforced Polymer (CFRP) Plates  
For strengthening of concrete substrates, prefabricated CFRP plates can be externally bonded or near surface-mounted. Sika offers a wide range of carbon FRP plates in different dimensions and varying E-modules.

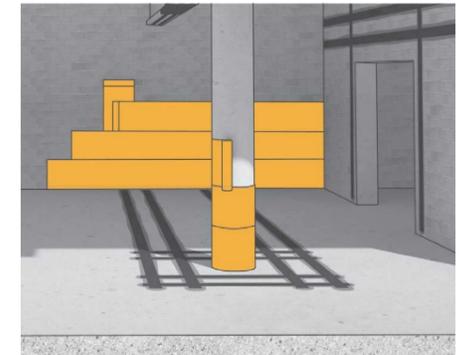
- L-shape Carbon Fiber Reinforced Polymer (CFRP) Plates  
Shear capacity of concrete beams can be increased by externally applying CFRP strengthening systems. Sika provides unique L-shape CFRP plates for effective anchorage of stirrup forces in concrete compressive zones.

- Carbon Fiber Reinforced Polymer (CFRP) Post-tensioning Systems  
Post-tensioned systems are effective for control of structural cracks and deflections and to increase fatigue resistance and seismic resistance. Sika provides a unique system based on post-tensioned CFRP plates.



### Fiber Reinforced Polymer (FRP) Fabrics

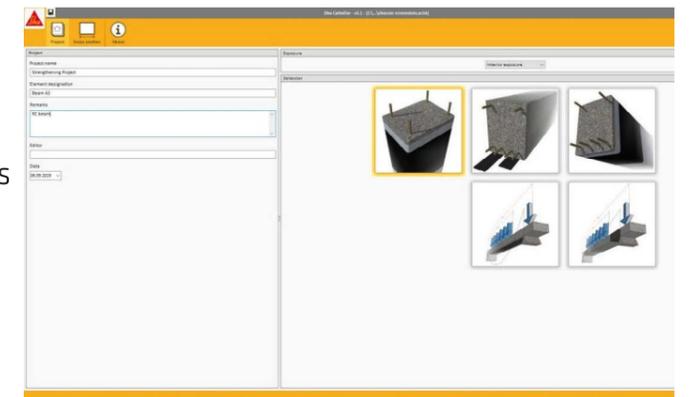
- Externally applied fabrics can be used to increase flexural, shear, axial or seismic resistance of structures. Sika offers various fabric systems, based on different types of materials for specific needs and cost-optimized strengthening.



### Free Sika® CarboDur® FRP Design Software

- Free software for advanced structural design
- Includes full range of Sika Structural Strengthening Systems
- Complex calculations in minimum time
- Based on international structural codes: ACI 440.2R-17 and ACI 318-14, TR55 and EUROCODE 2 and various local codes
- Updated on a regular basis
- User-friendly interface

[Download it here!](#)



## WATER TREATMENT INFRASTRUCTURE REPAIR

### SIKA MONOTOP® 4400 MIC



The ultimate wastewater works repair solution Sika MonoTop®-4400 MIC is an easy-apply cementitious repair system which is proven to resist severe biogenic corrosion prevalent in wastewater assets.

- Contains 100% calcium aluminate chemistry to inhibit acid generation
- A rapid-setting, cost-effective alternative to infrastructural repair strategies
- Provides structural rehabilitation within a few hours

#### Combating hydrogen sulfide corrosion

The technology of Sika MonoTop®-4400 MIC is a unique cementitious repair solution capable of resisting severe biogenic corrosion prevalent in wastewater structures such as sewer pipes, manholes, confined pits and water treatment assets.

#### The application

Sika MonoTop®-4400 MIC contains 100% calcium aluminate chemistry, vital ingredient which induces a bacterio-static effect to inhibit acid generation - in concrete, steel and cast iron - at source.

Sika MonoTop®-4400 MIC offers a fast-setting, cost-effective alternative to infrastructural repair strategies treated with acid resistant materials such as organic resin and fibreglass inserts which continue to allow acidophilic bacteria to breed and grow. It also provides rock-solid structural rehabilitation within a few hours to help minimise closure times of the wastewater system it's applied to.



## SIKALATEX NEW PACKAGING TUNISIA

Sika Tunisia launched in last July the new packaging of Sikalatex® which is a soluble resin that is added directly to the cement mortar mixing water, to improve its characteristics, especially adhesion.

This new package, now available in 1 l and 6 l packages, incorporates a consumption indicator on the side to measure the amount of product used, avoiding waste.

With this change, Sika differentiates itself in combating counterfeiting and misleading products that have no effect on mortar.

[More info](#)



## MAKE IT PRO CAMPAIGN SIKAFRICA

During 2019, from October until December, all Sika in Africa participated in a worldwide campaign to spread our presence throughout Africa.

This campaign is aimed at craftsman that work independently as builders, plumbers, among others, performing repair, renovation, tiling, plumbing, painting, roofing and waterproofing solutions.

This campaign named “Make it Pro” aimed at spreading in digital media in order to make known our presence in all countries. The various communications made every month were focused on problem solving, identifying the respective solution.

In the context of this action, manuals were developed and distributed with typical problem identification and solutions to our distributor partners.

In this way, Sika aims to be recognized for its customer support, services and solutions developed for applications from the basement to the roof.



## OPENING OF THE NEW OFFICES AND WAREHOUSE IN ORAN ALGERIA



Since July 2019 western Algeria is experiencing a dynamic development in construction sector. An important step has been taken by Sika El Djazair with the opening of a new distribution center in the city of Oran.

This project consists in getting closer to the customer and meeting the needs of local market. Customer focus is Sika's main value.

In this context, an inauguration ceremony took place on 3rd September 2019 in the presence of customers and partners in a festive and very friendly atmosphere.

All Sika solutions are designed to ensure the success of its customers and Sika El Djazair aims to build lasting and mutually beneficial relationships.





## CONSTRUCTION KIT TOUR – PROJEKT INSPIRE TANZANIA

Last year, Sika Tanzania teamed up with a NGO called Projekt Inspire, a youth based social enterprise that aims at creating career awareness and introducing different career paths to the youth.

They provide outreach programs that tackle science, technology, education, arts and mathematics. We decided to partner with them to introduce the world of engineering to public primary school children, grades 5 to 6, ages 9 to 12.

Our aim was to encourage children to learn and love science related subjects. We also wanted to create brand awareness and illuminate career options to a younger generation. This way we also influence the teaching methodology in Tanzania.

The initiative was dubbed the Construction Kit Tour. Students would be given a kit that included roofing tiles, building blocks, windows, doors and gables, in order to put together a house using SikaCeram® 100. They learn and they have fun.

The Construction Kit Tour was done in two phases. The first phase in January of 2019 included Dar es Salaam and the coastal region. The second phase in September of 2019 included other regions in Tanzania, namely Tanga, Dodoma and Morogoro.

In 5 regions, we have reached 15 schools, 1500 students and build over 300 houses with the construction kits.

The tour will not stop there. Our partnership with Projekt Inspire aims to achieve newer heights.

We have been getting requests from more public and private schools to hold our sessions in their premises. Our intentions for the next phase is to mass produce 1000 kits with much more sustainable and low cost material options, to be able to take this program further than just Tanzania.



## EXPO-INDUSTRIA 2019 ANGOLA

Expo-Indústria is, throughout the various editions, the largest showcase of industry in Angola, with the objective of promoting the economic and industrial potentialities of the country, aiming to contribute to diversify the national economy, replace imports and increase exports, reducing the unemployment and poverty.

This year, the 4th Edition of Expo-Indústria took place from 9 to 12 October at ZEE - Special Economic Zone - Luanda, a co-production between the Ministry of Industry and Eventos Arena, with the support of the Ministry of Economy and Planning, Ministry of Mineral Resources and Petroleum, Ministry of Fisheries and the Sea, Ministry of Commerce, Ministry of Hospitality and Tourism and Business Associations.

Construction industry in Angola is an important sector that drives the growth of national production. Reason why Sika Angola was at the fair to promote Sika as a local producer with worldwide recognized quality products.

With simple application demonstrations and use of the products, it was possible to show the Sika Solutions and the team of professionals that support the customer daily.



## POST STUDENT TRAINING CAMEROON

Social responsibility is one of the values of our company.

Sika Cameroon, as part of its Sika Academy program, has opened its doors for students and recent graduates to a unique training: Sika Cameroon POST-STUDENT TRAINING.

The program consists of a 3-day professional environment discovery training course for our elected representatives, in our various services, accompanied by our best trainers. To have the opportunity to participate in this adventure, all candidates went through a pre-selection phase on July 31 in Sika Cameroon, during which they were sent a questionnaire about the Sika Group and its activities. Those selected were contacted a few days later to confirm the date of the internship.

### GOAL

The purpose of this program is to act as mentors and accompany these future students in their career choices and perspectives. This discovery course will allow them to immerse themselves in the professional environment and prerequisites of each service.

### DEVELOPMENT

The 21 selected are divided into 3 places and participate for 3 days in the main activities of Sika Cameroon, in each service and accompanied by their supervisors. In the program, presentation of the tasks and objectives of each service, exchange, discovery, questions and / or answers, practical exercises, impressions.

### END OF THE FORMATION

At the end of the internship, each participant receives a certificate of completion of the training, gifts and souvenirs of their stay at Sika Cameroon. Each candidate is selected to have the opportunity to spend a full day with the General Manager of Sika Cameroon and learn about their daily life.



## SIKA ACADEMY in AFRICA

SIKA ACADEMY in AFRICA is a new and unique concept about Sharing Knowledge.

Training and development of our partners are of strategic importance for Sika in Africa. Empowerment of all people that can interact with us is key.

We train professionals and partners who value Sika know-how. By sharing knowledge and experiences concerning construction challenges we present solutions from the basement to roof. Several sessions are available covering all Sika technologies such as concrete, waterproofing, refurbishment, building finishing, sealing and bonding, flooring, roofing and industry.

In our events we receive a rich diversity of customers such as dealers, distributors, specialized applicators in construction, ready-mix concrete and precast companies, as well as architects and civil engineers, project managers or even collaborators of public and private institutions.

Nevertheless, our concept is also extended to students at several stages like the example of schools, universities and others institutions that we believe we can add value. In SIKA ACADEMY in AFRICA we interact with the communities where we are based and develop projects to empower people.

Since beginning of 2017, all participants benefited of these programs in different countries in Africa. Ask your local Sika Company.

By gathering knowledge, people and experience SIKA ACADEMY in AFRICA is now being spread all over the world.

Sharing knowledge that's SIKA ACADEMY in AFRICA way!



**CONCRETE**



**WATERPROOFING**



**ROOFING**



**FLOORING**



**SEALING AND BONDING**



**REFURBISHMENT**



**BUILDING FINISHING**



**INDUSTRY**

# INNOVATION AND SUSTAINABLE SOLUTIONS FOR CONSTRUCTION AND INDUSTRY

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