

DokaXpress

The formwork magazine Issue 2020

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« Qatar remains a resilient country with serious ambitions. »



To our clients and colleagues,

It gives me great pleasure to introduce the Doka Xpress Qatar for the first time in my capacity as Managing Director. As we continue an unpredictable 2020, I would like to share some accomplishments of 2019 and an outlook for the remainder of this year with focus on supporting the country's preparation for the FIFA World Cup and the longer-term goals for the Vision 2030.

Since establishing here in 2004, we have played an integral role in several of Qatar's major projects, including Lusail City, Hamad International Airport and Sidra Medical Centre. 2019 was no exception, handing over both the first phase of the Doha Metro Red Line and New Orbital Highway. These projects leveraged our team's ability to provide expert solutions and service under severe pressure, testament to professionalism and adaptability when representing these significant milestones for the country's National Development Strategy.

While restrictions due to COVID-19 are ongoing and greater global uncertainty continues, Qatar remains a resilient country with serious ambitions. Based on published data, the country's construction forecast includes a large volume of diverse projects that can all stand to benefit from our engineering expertise and high-quality products and services. As a consistent and reliable partner throughout the years, we are excited to play an intrinsic role in Qatar's future.

I sincerely thank the efforts of each member of our team and wish all our friends, colleagues and clients a swift and productive return to business as usual.

Sincerely,
Matthew Kretzmann
 Managing Director - Doka Qatar

Doka appoints new Managing Director for Qatar

Matthew Kretzmann was appointed as Managing Director Doka Qatar in June 2019. Having started with Doka in 2007 from his native South Africa, Mr. Kretzmann worked for eight years in various management positions before his promotion to Head of Sales for Middle East & Africa in 2015. During this time he made a significant contribution towards the overall success of our region. ■



News flash



Doka Qatar held its 11th Annual Staff Party

Doka Qatar celebrated its 11th Annual Staff Party on 07th November 2019. Hosted at Dusit Hotel Doha, the company's annual bash has become an important event for staff members to join together and have fun. Amongst the festivities, Matthew Kretzmann gave a welcome speech and formally launched the Doka Qatar Vision Statement: to be the number one formwork and scaffolding partner with the highest level of quality, service, safety and innovation, abbreviated as PQSSI. ■

Doka supports ICE Qatar Emerging Engineers Award Finals 2019

Doka Qatar sponsored the Emerging Engineers Award Finals 2019, an accolade that recognises outstanding communication of civil engineering work. As part of the submissions process, regional ICE members submitted their research and reports related to engineering projects to a panel of expert judges. The regional winners won a cash prize and were given the opportunity to participate in the overall final at ICE's headquarters in London. During the award night, Doka showcased its award-winning Concremote device, DokaScaff UNI and handset formwork Framini. The guest speaker was Doka's own Mark Robertson, business development manager of Concremote, who gave a highly informative presentation on the development of concrete technology and the advantages of Doka's Concremote device. ■



Our passion is your productivity

Bauma, the world's largest construction machinery equipment trade fair took place from 08th to 14th April 2019. Headlined 'Our contribution to increase productivity on site', the Doka Campus presented most recent products, services and innovations from the world of formwork on a 4,700m² booth.

As the 2019 bauma construction trade fair clearly showed, construction sites are becoming increasingly digital and more and more processes are being automated, from planning and execution to building management. The focus here is not on isolated solutions, but on a holistic network of integrated systems and applications that interact and effectively 'communicate' with each other (Internet of Things or IoT). This allows important but time-consuming and sometimes error-prone processes to be streamlined and simultaneously made more precise and transparent – including documentation.



The solutions must not only be practical but user-friendly and customer-oriented as well. There is no way they will become established and generate real added value unless they are developed with the everyday working routines in mind, without requiring lengthy technical training. This is why Doka has worked with its customers to develop a wide range of digital solutions designed to tackle the construction industry's most common challenges in planning and project implementation.

Explore our digital services in more depth on page 9. ■



Every day, our clients are performing exceptionally. Doka assists them in this and wants to be known as a construction industry partner who has tomorrow's solutions for boosting productivity on jobsites today. The most important features at bauma 2019 were an extended portfolio of products and services, and new ideas for boosting productivity on construction sites in every aspect of formwork and in-situ concreting.

Harald Ziebula, Chairman of the Executive Board Doka



1



2



3

- 1 Visitors in front of the 4,700m² Doka Campus.
- 2 Clients from Qatar were given the opportunity to experience Doka's VR solution from the 16 metre-high engineering tower.
- 3 Showcasing yellow Doka sunglasses L-R: Ozan Doganay (Doka), Mahmoud Al-Suradi (Infraroad), Alp Cinar (Yüksel), Ali Gur (Tekfen), Muammer Sezgin (Iris), Can Boztepe (Porr.)



All down the line

Having worked on the Doha Metro Red Line back in February 2015 for the elevated and at-grade sections under the joint venture of RLR, Doka Qatar was delighted to secure its second contract on the line, this time to deliver the extension under Iris Construction Tourism Industry and Trade WLL.

The Red Line, also known as the Coast Line celebrated its limited launch in May 2019, with 13 out of the total 18 stations being opened to the general public. Dubbed as the Doha Metro Red Line, the functioning section runs from Al Wakra to Al Qassar, however will eventually terminate in Lusail once fully delivered.

Operating under the project name of Al Khor Expressway Package 4C – Qatar Rail Tunnel, Doka Qatar beat off competition to secure the contract having demonstrated a clear understanding of the client's requirements, while providing an innovative solution for the traveller; an essential element in the scope of work.

Running a total length of 1,039 metres, Doka needed to deliver a formwork solution for this tunnel which included a wall casting height of up to 11.20 metres, a top slab thickness of between 1.0 -1.80 metres and a foundation thickness of between 1.0 – 2.0 metres. In addition to finding a suitable engineering solution, the project window was only six months meaning a wall cycle of eight days, top slab of 12 days and foundation of seven.

Having assessed the project in great detail, Doka's team presented a Top 50 system in conjunction with D3 shoring and an SL-1 Traveller unit. By using the traveller, cycle times could be met while ensuring minimal crane usage while a Trolley TT was used for shifting top slab D3 shoring. ■



« The traveller system is by far the most time-efficient solution when working on either underpasses or tunnels. It's also cost-effective as you avoid the requirement of using cranes. Once the Doka formwork instructor and design team had completed the assembly, the site team thoroughly appreciated the thought that had gone into it and work progressed quickly. Particular thanks must go to the Doka site supervisor whose consistent support made the project flow with ease. »

Muammer Sezgin, Project Manager
Iris Construction Tourism Industry and Trade WLL



- 1 Forming the 1,039 metre tunnel using Top 50, d3 shoring and the heavy-duty SL-1 traveller to meet cycle times with minimal crane usage.
- 2 Load-bearing tower d3 and SL-1 traveller made forming the 11 metre-high tunnel wall possible.
- 3 Load-bearing tower d3 supports the 8 metre-high tunnel slab.

Facts

Wall formwork + traveller

Formwork system: Top 50, D3 Traveller
Casting length: 30.0m
No of sets: 2 sets
Wall height: 8.10-11.0m
Wall thickness: 1.0/1.40/1.80m
Tunnel length: Approx. 1.0km
Wall formwork area: 2,712m²

Slab formwork

Formwork system: Top 50 decking, D3 load bearing towers
Shifting: Trolley TT
No of sets: 5 sets
Slab thickness: 1.0/1.80m
Shoring height: 7.40/8.0m
Slab decking: 2,191m²
Shoring: 11,145m³

Doka creates added value with BIM

Digital technologies and systems are influencing the construction sector more than ever before.

Facts

Project: SOFISTIK

Location: Nuremberg, Germany

Type of structure: Office building

Number of storeys: 3

Project owner: SOFISTIK AG

Lead contractor: WOLFF & MÜLLER Hoch- und Industriebau GmbH & Co. KG

Architects: GP Wirth Architekten

Formwork planning: Doka Competence Center VDC/BIM (HQ Amstetten), Engineering Deutsche Doka Schalungstechnik GmbH

Systems used: Timber-beam floor formwork Dokaflex, Folding platform K

Services: BIM, 4D planning

Start of construction: August 2018

Completion: January 2019

Digitisation has an enormous scope and potential to boost efficiency and cost-effectiveness across the entire construction process. In this context, Building Information Modelling (BIM) is definitely one of the main factors influencing the construction industry. Doka sees this innovative approach as a key method for optimising construction processes, boosting productivity on site and designing the ideal solutions. Doka used BIM to map the formwork solutions for the SOFISTIK office building project in Germany.

With BIM, all project information, from planning through to construction, to the completion and maintenance of a structure can be coordinated. The digital data for the entire life cycle is administered at a single, central location, facilitating a highly efficient interaction and an automated, transparent exchange of data between partners, including architects, contractors, planners, formwork specialists and others. Anywhere, at any time, stakeholders can access the latest data and coordinate the project like never before.

In BIM methodology, the entire building is digitally modelled from beginning to end before construction even starts. Errors and problems are spotted in the digital twin and eliminated before they can disrupt progress on the construction site. The project rigorously follows the principle of building the structure virtually first, and afterwards in reality.

Ground-breaking new method

As BIM's effectiveness has helped to make it more widespread in the industry, Doka has studied how it can further integrate with the system and allow users to match formwork solutions to their respective projects, thereby aiding the speed and efficiency of the construction process. In light of this, Doka established its Competence Center, which includes a team of experts who've spent the past three years cataloguing over 800 formwork components, which are now available for use on a variety of BIM platforms.

>> To read the full article on how BIM was implemented on the SOFISTIK project in Germany, visit our QR code below. ■



You can read the full article here.

Construction software specialist SOFISTIK AG has commissioned a new office building in Nuremberg, Germany. The formwork solution is from Doka.



The latest digital solutions optimise construction procedures on site

Immerse yourself in the world of digitisation. Learn more about digital solutions and services to boost your productivity on site.

We present our range of digital services in three sections: Smart Jobsite, Smart Assistants and Smart Planning. Our main focus are digital solutions to optimise processes on site and support our clients to significantly boost productivity on site. Simplified working procedures, more transparency and better quality in execution are integral to the Digital Doka drive.

The **Doka AR-VR app** (www.doka.com/ar) enables customers to experience selected Doka solutions in augmented and virtual reality. The experiences include projecting Doka formwork virtually onto printed plans by positioning 3D models in their surroundings and taking virtual reality tours, experiencing a variety of Doka solutions.

Concremote, the unique digital measuring and decision-supporting system that measures concrete strength development on site and in real-time, now comes with a raft of software and hardware innovations. This includes a web portal, a forecast for predicting strength development and scenario for comparing several concrete formulations. A highlight is the new Concremote App.

The software and consulting service **Contakt**, incorporates specially developed sensor technology and delivers information straight from the construction site, enabling construction processes to be optimised so that Doka projects can be completed on time and within budget. Building contractors and project owners benefit from more transparency and can optimise their workflows and competitiveness based on the data from the field.

With **VDC/BIM** (Virtual Design and Construction/Building Information Modeling) formwork solutions can be matched even more closely to the planning and construction process for any given structure, contributing significantly to the success of the project as a whole. Customers enjoy specific benefits, including the ability to access up-to-date information on the building at any time and run simulations to check construction progress, cost and safety.

Remote Instructor is a software solution developed specially for the construction industry to support real-time collaboration on the construction site. The system uses intelligent video calling to provide live support from any location, and increases the availability of Doka experts. Reductions in downtimes, which lead to cost savings, are additional benefits that contractors can experience whilst using this innovative software solution from Doka.

Yard management is a Doka offering that will enable customers to manage rented Doka material while also maintaining a full overview of their own equipment stock. With rented and owned equipment managed together, the customer will have a central platform for clear visualisation and optimised organisation.



1 With the **Doka AR-VR app** you can get an exciting insight into the world of formwork technology.



2 The online portal **myDoka** has new functionalities making it even easier for customers to manage their project and jobsite data.



3 **Concremote** offers numerous new functions with the sensor generation 2.0.



4 **Doka's Online Shop** enables customers to buy Doka products anywhere, at any time. Now available in Qatar.

now available

The **Online Shop** enables Doka to access the potential of digitisation in eCommerce, with customers being able to use all types of devices (PCs, tablets, smartphones) and operating systems to access the online offering and buying selected Doka products. Customers also have an up-to-date overview of products, availability and prices, in addition to recommendations for the necessary accessories and add-ons. ■

Seal of luxury in Lusail

Described as the ‘hospitality icon of Qatar,’ Katara Towers’ crescent design aims to translate the country’s national identity into an architectural landmark.



Located at the southern-most point of Qatar’s 38km² future city of Lusail, the silhouette of Katara Towers post-construction will be unmistakable. Symbolically intertwined with the country’s heritage, the iconic design integrates the traditional scimitar swords from the national seal, delivering two distinctive, symmetrically arched towers rising 36 floors from the podium, reaching a height of 211 metres.

Of course, delivering such an extraordinary structure requires an equally extraordinary formwork solution, which is why main contractor Hamad Bin Khalid Contracting Company (HBK) chose Doka Qatar to deliver on this multi billion-dollar project. Based on the structural design, the biggest immediate challenge was to form the cantilever slabs that were required to change location on each floor, while ensuring the construction timetable could be adhered to.

Another significant challenge of the project was the timely construction of the three core walls in each of the towers. Thanks to Doka’s extensive experience in high-rise, it was able to provide the right equipment and expertise for the job offering the most efficient solution possible, in this case, the SKE50 hydraulic climbing system. Having been used with much success on other major projects in the country, HBK management were confident it would meet the tight delivery deadlines without sacrificing quality or safety.

In order to increase the speed of the slab cycle, Doka’s Table Lifting System was implemented to move up two levels of Dokaflex tables



in the two high-rise towers while Staxo 40 load-bearing towers were used to meet the 6.10 metres floor-to-floor height of the ground floor mezzanine. With typical floor heights starting from the second level, Dokaflex tables were used throughout although had to be transported in smaller sizes to make them as flexible as possible for the design which covers more than 10,000m².

Speaking on behalf of the developer, Sheikh Nawaf bin Jassim Al Thani, chairman of Katara Hospitality said upon the launch of the project, “With today’s Phase 2 awarding to HBK begins the next phase in Katara Hospitality’s journey of developing the hospitality icon of Qatar. Our vision for Katara Towers is to set new standards that go beyond the borders of the hospitality industry and will provide an architectural landmark that is instantly recognized and understood right across the globe.”

At the time of writing, Katara Towers is anticipated to be complete by May 2021. ■



« We are pleased to work with Doka on this project as they've developed a reputation in country for being able to deliver formwork solutions that aid the delivery of the overall project. In the case of the SKE50 hydraulic climber and delivering the core walls we're moving faster than anticipated, which » is of great help.

Jawan Medinas,
Senior Construction Manager
HBK Contracting Co. WLL

Facts

Project Name:
Katara Towers

Location: Lusail City, Qatar

Construction work performed by:
HBK Contracting Co. W.L.L.

Architect: Das Al-Handasah

Developer: Katara Hospitality

Start of Constuction: Sept 2018

Scheduled completion: May 2021

Type of structure: Highrise, Hotel

Height: 211m

Storeys: 36 levels (including podium)

Cycle times:
Tower level 1 to 15: 14 days
Tower level 15 to 36: 8 days

Doka system used: SKE50 self-climbing formwork, 150F climbing formwork, Top 50 large-area formwork, Dokaflex table, d2, d3 and Staxo 40 load-bearing towers, Table lifting system TLS, Universal support block, Safety Net Fan

1 The crossed swords of the country's seal have been architecturally rendered into twin arched towers that stand elegantly from the podium level, representing the symbiosis of the country's heritage and it's outlook as a destination for luxury travel.

2 Teamwork at its best. L-R: Usama Alsaleh (Doka), Zoltan Vergara (Doka), Luis Lopes (HBK), Jawan Medinas (HBK), Hasan Al-Saber (Doka).





1

- 1 The V-shape pergola column was built using Ready-to-Use (RTU) service.
- 2 1,200m² of panels were used in delivering the pergola slab on time and on budget.
- 3 The pergola slab after deshuttering.

2



3



Engineering sophistication

Extending across an area of 38 square kilometres or roughly six times the size of Gibraltar, Lusail City has been dubbed the city of the future, providing both smart and sustainable solutions for its anticipated 200,000 residents.



« Doka offers economical concrete forming solution, thanks to Large-area formwork Top 50. I prefer to use Doka, especially for sophisticated structures in any projects. »

Ayman Ladkani,
Formwork Manager QD-SBG

Facts

Project Name: Lusail Plaza Infrastructure – CP 07B

Location: Lusail City

Construction work performs by: QD-SBG

Architect: Dar Alhandasah Consultants

Developer: Lusail Real Estate Development Company

Type of structure: Infrastructure

Doka System: Special Top 50 + Shaping wood + Curve Steel Sheet

Formwork Supply: 3 Sets (Re-use to 28 Nos. of non-typical Column)

Column Height: 7.30m-13.00m

Column leg width: 1500mm-700mm (varies)

Column leg thickness: 700mm

Vertex Angle: 32° - 57° unique for each on the 28 sets of column

Concrete consistency: Self-compacting concrete

Concrete Pressure: 115 kN/m²

Located just to the north of the capital's West Bay area, Lusail City is the flagship project of Qatari Diar and considered by many as the embodiment of a sustainable smart city in line with the country's National Vision 2030. Providing accommodation for more than 200,000 residents, the city is expected to facilitate 170,000 jobs across 19 districts which will include commercial, hospitality and retail opportunities in addition to community infrastructure such as schools, mosques, medical facilities, sport, entertainment and shopping centres.

In striving to meet the highest ecological standards, 17% of the city is dedicated towards open space with the master plan incorporating a water sensitive landscape to minimize consumption while its district cooling system, which is amongst the biggest in the world has been designed to save 65 million tons of CO₂ annually.

Located at the heart of Lusail City is CP 07B, an area that is now home to some of Lusail's most notable infrastructural works and soon to be the main access point to the iconic Lusail Stadium for the upcoming 2022 world cup. The project includes a two kilometres multi-lane below ground highway, a three level combined tunnel, light rail transit station, as well as the various mechanical, electrical and hydraulic installations. Doka Qatar was awarded the contract for Lusail Plaza Infrastructure -

CP 07B from QD-SBG JV in September 2015 to deliver full formwork activities thanks to a highly competitive and comprehensive bid, which included both top quality products and systems in combination with a highly experienced team.

Two products in particular were used more than others namely Load-bearing tower d3, Doka's high-performing, fast and economical tower system which was used for the slabs and Large-area formwork Top 50 for the projects' high walls, which also assisted in reducing the projects' requirement for crane usage. Thanks to its high load capacity of up to 94kN per leg, d3 was the optimal solution for the job, while its lightweight components made it easy for site teams to handle. In order to meet the scheduling requirements and unique design features, Doka provided its ready-to-use (RTU) service resulting in the prompt completion of the uniquely designed 'V' shape columns, pergola slab opening and sidings.

According to reports from QD-SBG, the client was particularly happy with the site support it received, as well as the ready-to-use service and on-time delivery of products and services. A particular mention was made to Doka's engineering team, whose shop drawing submittals with supporting calculations for the complex walls and columns was particularly appreciated. ■

Live on tour - DokaScaff UNI

While it is nothing new for construction stakeholders to host their clients and showcase their latest products and systems, Doka's approach takes on an entirely different form by driving its products to client worksites through a unique and fast-paced roadshow.

Doka Qatar completed an initial four-day tour as part of a promotion to bring its multidirectional ringlock scaffolding system to job sites across the country and enable contractors and site teams the opportunity to interact with the unique, time-saving features and safety benefits it provides.

Over the four-day period, Doka's touring team was able to visit a total of eleven worksites and thanks to popular demand, added two additional dates that offered a practical workshop under the theme of 'Safety at Height'. Attendees included various contractors from across the construction, oil & gas, landscaping, shipyard and road infrastructure sectors from roles including scaffolding engineers/ supervisors, HSE managers and project coordinators. At the end of the workshop, each attendee received a certificate of completion.

Speaking on behalf of Doka Qatar, head of engineering, Vitor Rosa said, "The last couple of weeks have enabled us to showcase one of our most versatile products, while also providing greater awareness about safety for site teams. It's been a great experience to hear from our clients face-to-face and to gain a clearer understanding of some of the challenges they face on site. It was a highly successful roadshow, which was enjoyed by both the participating site teams and ourselves."

Based on the success of the initial roadshow, similar events will continue to take place across the region, enabling a more convenient method for construction stakeholders to experience Doka's latest products without having to leave their job sites. ■





- 1 DokaScaff UNI in action at QD-SBG's Lusail CP7B work site.
- 2 Doka Qatar Head of Engineering, Vitor Rosa shows how easy-to-use and well-designed DokaScaff UNI is to any project applications.
- 3 Day one of our roadshow at the HBK Training and Development Centre with representatives from HBK Contracting, NBK and Doka Qatar.
- 4 Our amazing Mitsubishi Fuso, which carried our DokaScaff UNI system around the country for its live demonstrations, in collaboration with NBK.



The formwork experts



Joery Villegas

Working in the formwork industry since 2004, Joery joined Doka in August 2008.

What is the most unique project you've designed?

Each project is unique in terms of its structural complexity and level of difficulty when finding a suitable formwork solution.

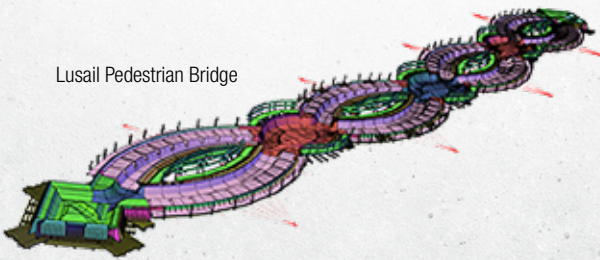
What were the challenges involved for each project?

For projects involving 3D planning, a high-level of accuracy is required, from panel fabrication to site execution.

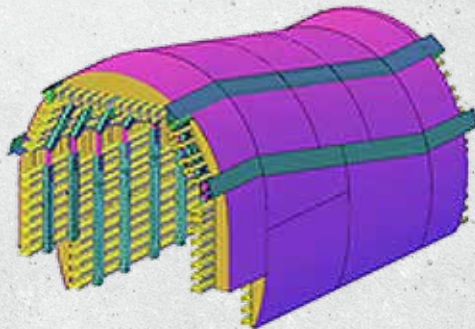
What do you like most about working for Doka?

You always learn something new from each assignment and it feels fantastic when a project gets completed using my designs and solutions. ■

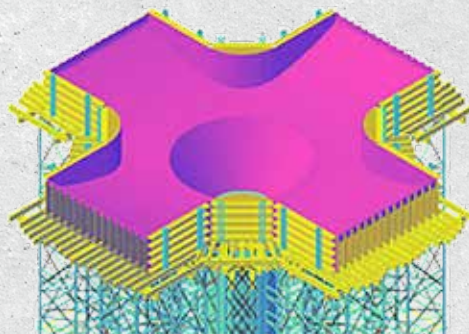
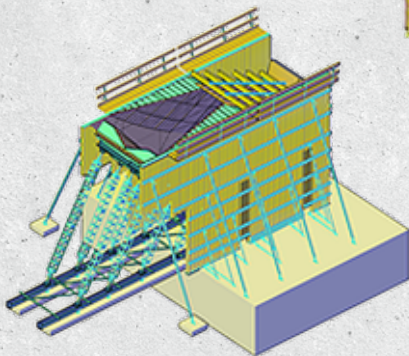
Lusail Pedestrian Bridge



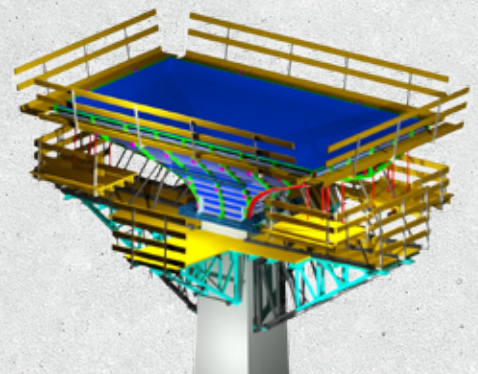
Doha Metro - Greenline Underground



Lusail Marine Bridge



Doha Metro - Greenline Elevated & At grade



Al Hazan Ceremonial Torch



Any of the completed projects that used my design and solution is an achievement to me. I also learn something new from every project because each has its unique characteristics.



Joery Villegas, Senior Engineer



I get to meet talented, hardworking colleagues from different parts of the globe whose desire is more than just a job, but a passion for working as part of a dedicated team that generates the best possible results.

Kriztan E. Ulep, Senior Project Technician Doka Qatar

Kriztan E. Ulep

has a Bachelor's degree in Civil Engineering. He has been in the construction industry for more than 20 years, 11 of which as a Senior Project Technician with Doka Qatar. As a senior project technician, he is responsible for planning and designing Doka-developed formwork systems as well as managing design concepts on complex concrete formwork structures.

What is the most unique project you've designed?

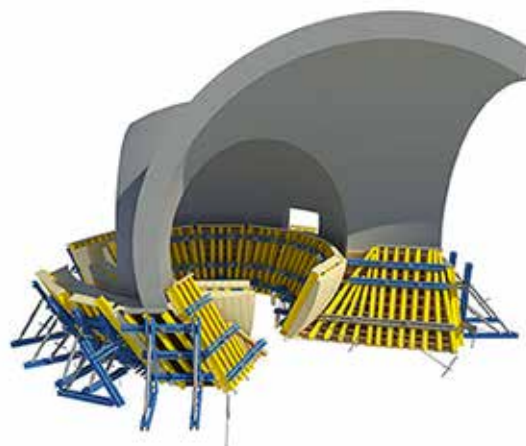
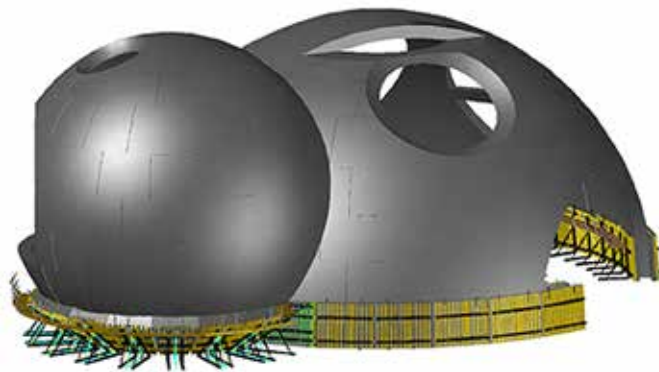
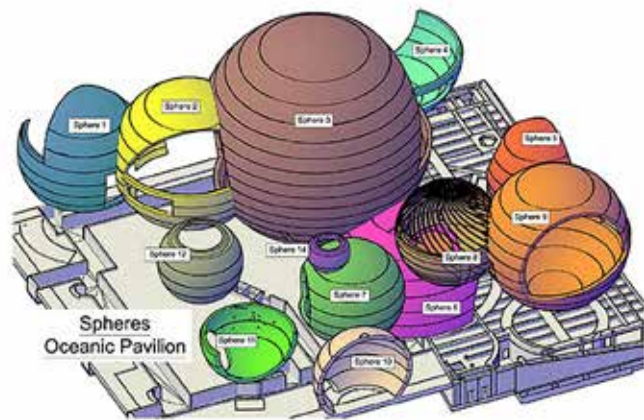
I would consider the Chinpaosan project one of the most unique I've ever worked on due to its spheres and dome. Located in Taiwan, I coordinated and prepared the drawings and delivered the formwork solution according to the project requirements.

What were the challenges involved for each project?

Due to its truncated and complex spherical design, execution and assembly drawings were done in DokaCAD 3D in order to deliver a polished design, while providing precise details of the made-to-measure custom formwork for each dome and sphere. The fair-faced concrete structure was also a significant challenge on this project, where precision was essential to ensure the accuracy of the angles and conjunction points between the spheres

What do you like most about working for Doka?

Doka provides excellent opportunities for its employees to gain a clear understanding of the global construction industry. As a company that cares about developing the skill sets of its team it also provides software and training courses so staff are consistently able to work on their personal development. ■



The synergy of a multi-cultural work environment

Doka Qatar believes that the synergy of a diverse work environment is dynamic.

Thanks to its global reach and ability to attract highly talented individuals who share a passion for building excellence, Doka Qatar is proud of its multicultural team who interact and communicate to achieve its common goals. One of the benefits of such a diverse environment means each individual has the opportunity to learn about the culture and traditions of their colleagues, helping to broaden their world view. We asked a few colleagues of different nationalities to describe in one word what it is like to work in a community with so many different backgrounds. These were their responses: ■



« **Gratified!** Working with colleagues from around the world allows me to develop my cultural intelligence and know different traditions and languages. It also enriches my interpersonal skills and capability to adapt to diversity. »

Bindu Nair, India



« **I'm loving it!** It makes me a better person because it encourages me to have a better perception of equality with regards to race, gender and age. »

Oliva Robleado, Philippines

« **Awesome!** Working for a multi-cultural company like Doka helps me to get an idea about different customs. I have experienced a great amount of exposure to diversity in my life. »

Chhabil Pokherel, Nepal



« **Brilliant!** I get to improve my communication skills and abilities in order to better engage with the world. »

Alessandro Totaro, Italy

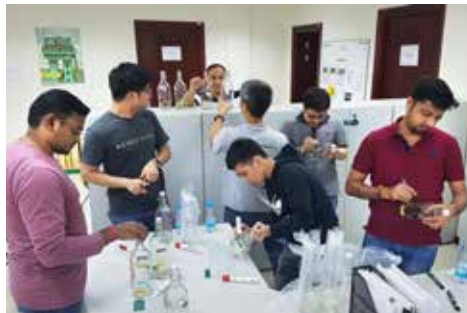




Understanding sustainability

A4 paper consumption reduced to 42%

When Doka Qatar first participated in 'No Paper Day', A4 paper consumption was reduced by 42%. As a great initiative to raise awareness about conserving paper, 'No Paper Day' is organized by the Qatar Green Building Council (QGBC), a non-profit organization and a member of Qatar Foundation (QF). It is a campaign to help public and private institutions determine measures in reducing paper waste by involving the broader community. Its objective is to highlight to the public that reducing waste can improve business performance while helping to protect the environment. ■



Stylish reusable drinking bottles

We are all aware of the negative effects of plastic on our environment. As a way of showing our commitment to mitigating the damage caused by plastic, Doka Qatar invested in reusable drinking bottles for employees and launched an activity to encourage them in reducing the use of plastic. The team were reminded of the effects of plastic pollution and on how to contribute to eradicating this problem. The activity was called "Bring out the Van Gogh in you!" and entailed team members being able to draw on their drinking bottles, giving them a personalised look. Reusable drinking bottles are more convenient and cost-effective but most importantly, they are BPA (Bisphenol A) free, meaning they are without the industrial chemical used to make plastics and resins that can cause cancer. ■



DokaScaff UNI

doka

DokaScaff UNI is a multidirectional ringlock scaffolding system consisting of tubular elements that provide an effective and secure way of performing the most demanding scaffolding challenges.