

Doka Xpress

The Formwork Magazine

2/2011 · www.doka.com

Climbing up the Super Tower



300 km/h Honam HSR
with the Doka Top 50
system in Korea ... Page 3

Shored quickly
Large areas at the
Manipal University Dubai ... Page 8

Saving two months' time
Shimizu HQ Building
in Tokyo, Japan ... Page 10

Out of the jungle!
Challenging bridge project in
Equatorial Guinea ... Page 12

doka
The Formwork Experts

Editorial



Dear readers;

To build economically in high quality and with high deadline-meeting reliability, you need strong and dependable partners to work with. Because it's not enough for a construction-sector vendor to just have great products and services. When it comes to ensuring a smooth construction workflow, efficient logistics concepts are what tips the balance. The Lotte Super Tower mega-site demonstrates this very clearly.

Doka was quick to recognise the importance of this key competence, starting several years ago to strengthen it even further in readiness for the future. To shorten the response times for new equipment, we have built a gigantic high-rack warehouse and our own rail container terminal at our main plant here in Austria. An International Logistics Centre is currently under construction, to assure reliable scheduling of high-grade used Doka equipment in the future as well.

Nevertheless, it is your local Doka branch, with its well-assorted formwork park, that plays a particularly important role in getting just-in-time deliveries to your worksites. This is why we are constantly expanding our branch network. With 45 of our own branches and many highly capable points-of-contact on the Asian continent, you'll find we're always close at hand.

Wishing you an enjoyable read,
Yours,
Josef Kurzmann

Doka News

Rebuilding Ground Zero ►

The new World Trade Center is an unprecedented merging of architectural minds, firms, and talents, all working towards the goal of creating a revitalised urban centre for New York City. Doka is providing innovative formwork solutions to rebuild Ground Zero. The Operations Team welcomed the challenges on the WTC projects.



▲ Fast construction progress

A few months after being launched, Doka's latest innovation in the segment of economical shoring systems – the Load-bearing tower Staxo 40 – is demonstrating its benefits at the Shemouk Twin Towers project in Doha. More than 8000 frames of the Staxo 40 system are providing strong and effective shoring for the floor-slab formwork here.



▲ Efficient forming operations

Part of a new gas liquefaction plant with a capacity of 4.7 million tonnes per year, these LNG tanks are nearing completion at the Skikda industrial zone in Algeria. A combination of Large-area formwork Top 50, Climbing formwork MF240 and Dam formwork d15/3 is speeding up formwork repositioning here, and reducing overall build-time accordingly.

Index

Page



Lotte Super Tower



Shimizu HQ Building



Hangrui Highway in China

High-speed casting Korea.....	3
◀ Lotte Super Tower, Seoul. The formwork that adapts all by itself, South Korea	4
Top-speed walls, top-speed slabs Singapore	6
In touch with formwork	7
Large areas shored quickly and safely Dubai	8
◀ Saving two months' building time Japan	10
Out of the jungle! Equatorial Guinea	12
◀ Hilly, high and just-in-time China	14
Fast cycle times and a high standard of safety	15
In brief	16

High-speed casting

The Honam High Speed Railway is being built by Samsung Construction as part of Korea's efforts to establish a wide-range transportation network and promote regional development.

Doka Korea is supporting the sub-contractor Taeah Construction with high-performing formwork systems.

Designed for a maximum speed of 350 km/h, this high-speed railway connects the cities of Osong, Gongju, Iksan, Jeongup and Gwaangju. This pathbreaking infrastructure project will allow people to travel the whole length and breadth of the country in just half a day. Doka Korea supplied three sets of tailor-made large-area formwork Top 50 for a 1440 m long viaduct, which it divided into 36 casting sections. The specially

designed box-girder is being cast in two steps: On Day 1, the bottom slab and sidewalls are cast. For this, the site crew assembled a total of 1164 m² of Large-area formwork Top 50 on site. On Day 2, the box-girder can be completed with its deck slab.

The Large-area formwork Top 50 system is a customisable 'construction kit' formwork system designed to accomplish many very different tasks. The shape, size, tie-hole pattern and form-facing of the elements can be adapted to suit any requirement, and to even the most challenging geometries. 



Kim Hyoung-Gyu,
Site Manager,
Taeah Construction

The professional

“ My crew had no prior experience with Doka, so we thought it might be a slight challenge for us to assemble the system. However, the workers soon got used to the system and we were able to considerably shorten our construction schedule. Once in assembled, the formwork allows us to cast all sections in a fast and safe way.”

The facts

JOBSITE	Honam High Speed Railway
LOCATION	Chungnam, Korea
CUSTOMER	Taeah Construction
LENGTH OF VIADUCT	1440 m
NUMBER OF CASTING SEGMENTS	36
CONSTRUCTION TIME	36 months
USED BY	High-speed trains travelling at up to 350 km/h
PRODUCTS IN USE	Large-area formwork Top 50

The solution !

Doka Korea supplied three sets of tailor-made Large-area formwork Top 50. In total, 1164 m² of Large-area formwork Top 50 was assembled on-site to cast the box-girder of this 1440 m long viaduct in 36 casting steps.

◀ **The box-girder structure is being cast using made-to-measure Large-area formwork Top 50.**



The mega-columns will be cast using the reliable 'Automatic climbing formwork SKE50 plus'.



The formwork that adapts all by itself

Doka has scored yet another sales success by winning the formwork contract for the 555 m Lotte Super Tower.

The client, Lotte Construction, rated the Doka concept as the “technically most sophisticated and best-quality formwork solution”, as it adapts more or less “on its own” to the many changes in the cross-section. Quite apart from the core’s enormous height, then, its complex shape presents another set of highly challenging requirements. In front elevation view, the core breaks down into three sections which are roughly equal in height but which are completely different geometrically. From August 2011, the Doka climbing formwork system SKE100 will be setting the pace on this CIP concrete core as well, raising some 2500 m² of Large-area formwork Top 50 and three concrete placing booms with the aid of 117 automatic climbers SKE100.

‘Foldable’ protection screen on rollers

To enable the slab-forming work in the top four storeys of the rising core to take place under optimum safety conditions, sheltered from the weather, the self-climbing Doka protection screen

Xclimb 60 is to be fielded here. This gapless enclosure of the under-construction storeys has to adapt to the decreasing circumference automatically, i.e. without needing any time-consuming modifications. To achieve this, the climbing profiles (which are normally arranged in parallel) are mounted at an acute angle to one another so that the individual elements of the protection screen can automatically move into one another on rollers during the climbing operation.

Column formwork with own rebar crane

Gigantic CIP concrete pillars, known as ‘mega-columns’, run up the outsides of the structure. Between the first and last casting steps, their quadratic cross-section tapers from 3.50 m to 2.00 m. The self-climbing solution ‘SKE50 plus’ is used here in conjunction with ‘Top 50’ large-area formwork elements. To speed up the construction workflow still further, each column will have its own crane for lifting in the rebar. These cranes are ‘climbed’ together with the formwork solution. 

The facts

HEIGHT	555 m
CITY	Seoul
USE	Mixed use
PECULIARITY	Many cross-section changes
ARCHITECT	Kohn Pedersen Fox
FLOORS	123
CONTRACTOR	Lotte Construction

The solution

The Doka climbing formwork system SKE100 is raising some 2500 m² of Large-area formwork Top 50 and three concrete placing booms with the aid of 117 automatic climbers SKE100. There is also a foldable protection screen Xclimb 60 in use that adapts automatically to the many changes in cross-section.



◀ The SKE100 climbing formwork for the core has already arrived at the site. 117 automatic climbers will lift the formwork and three concrete placing booms.

► **Fast construction progress is a top priority at the URUS Condominium project.**

The challenge

Ensuring smooth, fast formwork operations in all casting sections.

The solution !

A powerful combination of Dokamatic tableforms and Framax Xlife wall formwork in the typical storeys; climbing formwork with shaft platforms and integrated stripping corners for the structure core.



Top-speed walls, top-speed slabs

An exclusive condominium is rising beside Singapore's most popular shopping boulevard. Fast, cost-effective construction progress is the overriding priority here.

Owing to its positive experience on previous builds and to Doka's strong technical support, the contractors Shimizu Corporation opted for a comprehensive formwork solution from Doka on this highly demanding project as well. "With the expertise of its design team, Doka was able to provide us with a tailor-made formwork solution that suits our requirements and that works best with the complexity of this structure", explains Shimizu's Hirofumi Watanabe. The central structure core is being raised using Climbing formwork MF240 and Framed formwork Framax Xlife. Inside the shaft cores, shaft platforms combined with Framax stripping corners I make it easy to reposition the formwork and are greatly speeding up the workflow. Framed formwork Framax Xlife with Stripping corners I is also being used to construct the residential

units, again enabling the formwork to be repositioned quickly from one casting section to the next with a minimum of time-consuming set-up work.

Fast, cost-efficient slab-forming

To construct the slabs in the typical storeys, the Site Management went for the advantages of pre-assembled, site-ready Dokamatic tableforms. Used in combo with the Doka shifting trolley, these allow them to form large areas of slab quickly and with very little manpower. In the high-ceilinged storeys, the high-performing Staxo 40 and Staxo 100 load-bearing tower systems are providing safe, cost-saving shoring for the floor-slab formwork. Here too, the quick and easy assembly sequence for this equipment has made a big contribution towards speeding up workflows. 

Hirofumi Watanabe,
Project Manager,
Shimizu Corporation



The professional



Doka's formwork solution has enabled us to increase our productivity and thus save time and costs, which is of paramount importance on this project."

In touch with formwork

Making the advantages of a product 'come alive' in a real-life usage situation is the most effective way for customers to get in touch with the advantages of formwork systems.

Doka Singapore made good use of this recipe for success by joining with the Building & Construction Authority and other construction-industry vendors, among them several suppliers of formwork systems, to organise a Skilled Builder Competition. The aim of this event was to give the participants – 12 teams in all – the opportunity to demonstrate their skill at erecting various different formwork systems. The judges focused here on the workers' teamworking, organisational and mechanical skills.

12 teams took part and demonstrated their skills at erecting several different formwork systems. The contestants were given a planning sketch and a prescribed time within which they had to put up e.g. a floor-slab formwork shored with the new Load-bearing tower Staxo 40. The speed and ease of assembly of Staxo 40 greatly impressed all the contestants, and made the big difference between this and other systems very clear to see. Get in touch with Staxo 40 on the website www.staxo40.com. 



▲ **At the Skilled Builder Competition, the participants got in touch with the advantages of different formwork systems – like Framed formwork Frami Xlife.**

◀ **The speed and ease of assembly of the new Load-bearing tower Staxo 40 greatly impressed all the contestants.**

Regional office in Singapore

Doka relocates regional office for East Asia & Pacific to Singapore.

Gerold Heinrich, Doka's Regional Manager for this region, has moved his office from Doka HQ in Amstetten, Austria, to Singapore. The manager of Doka's formwork business in the East Asia and Pacific Region will also act as the Managing Director of Doka Formwork Pte Ltd Singapore. In his over 30-year career, Gerold Heinrich has accumulated significant formwork experience with Doka, with extensive exposure to the Asian Region.



► Doka's new Load-bearing tower Staxo 40 system is ensuring fast erection & dismantling times and high workplace safety during construction of Manipal University's Dubai campus.

The facts

JOBSITE Manipal University
Science & Technology New
Campus Phase 1

LOCATION Dubai, U.A.E.

CUSTOMER
Sobha Contracting LLC

PRODUCTS USED
Dokaflex 1-2-4, Large-area
formwork Top 50 and
Staxo 40



Large areas shored quickly and safely

More than 14,467 m² of slab are being shored with the new Doka load-bearing tower Staxo 40 at the Manipal University Campus in Dubai. Fast erection times and high workplace safety are delivering efficient construction progress here.

Mr. V.K. Prasad,
Project Manager,
Sobha LLC



The professional



Doka's pathbreaking Staxo 40 system was ergonomical to handle and our crew put it together with no difficulty. The time saved in erecting the shoring system certainly contributed to the maintained project schedule."

With a view to the future, Dubai has been working hard to diversify its economic base. One focus of investment activity is in expanding the emirate's tertiary and postgraduate educational provision. A recent example is the first phase of construction work on the Manipal University Science & Technology Campus in the renowned Dubai International Academic City. This architecturally

discerning complex of buildings is characterised by cantilevering floor slabs, by atria that extend across three storey levels, and by a spacious terraced storey. To help it accomplish these technically demanding construction tasks, contractors Sobha Contracting LLC are relying on the formwork expertise of Doka and the benefits of its new Load-bearing tower Staxo 40 system.



The solution!

The simplicity of the Dokaflex system, and the speed with which it can be erected, made it possible to form slabs in a less than 7-day cycle, while its versatility meant that the crew had no trouble dealing with the curved shapes of the building. Speedy erection of Staxo 40 towers by the site-crew made forming of high slabs almost 50% faster than with the traditional cuplock system.

Up to 50 percent time-savings for more efficient forming operations

Due to the narrow time-window allowed for shell construction, and to the large area of slab to be formed on each storey, substantial quantities of equipment are in use on this major project. A total of 8000 m² of the highly adaptable Dokaflex 1-2-4 floor-slab formwork and some 3600 Staxo 40 load-bearing tower frames are in service here for casting the curving slab floors. Thanks to the low frame weight, of just 15 to 24 kg, the small number of separate components and the logical assembly sequence, the site crew are achieving much shorter set-up times with Staxo 40 than with conventional cuplock systems.

Time-and-motion studies on the site have measured time-savings of up to 80 percent – a crucial advantage when it comes to shoring large areas of slab efficiently. V.K. Prasad, Project Manager at Sobha Contracting LLC, gives this testimony to the powerful performance of Staxo 40 on the site: “Before, with other systems, we had too many small

parts and the chance of losing them or not assembling them properly was higher. But here it has all been made with a minimum number of components so safety-wise it’s much more reliable, and it is more economical. The system concept is so straightforward that after a short training session from the Doka Formwork Instructor, our crew were immediately able to erect the shoring towers correctly and above all quickly.”

Safety right down to the last detail

Site Management were also convinced by the system’s high standard of safety, with its tested anchorage points for personal fall arrest systems, integrated safety catches for fixing the diagonal crosses, sturdy ladderways and the facility for creating gapless plank-ing decks. Thanks to the use of the finite-element method in the constructional design process, Staxo 40 also excels for its combination of high stability and reduced frame weight. This enables the system to deal safely with the large shoring-heights of up to 12 metres encountered in the building of the Manipal University Dubai Campus. 

▼ Thanks to its high stability, the weight-optimised Load-bearing tower Staxo 40 system can also deal safely with the large shoring-heights.

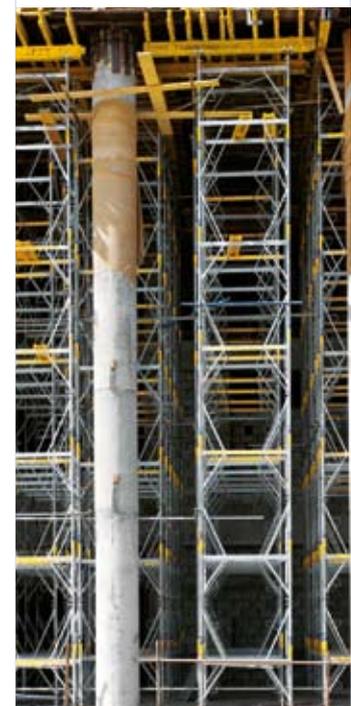




Photo: PD system

▲ SKE50 plus is the ideal system for completing tall structures in short time.

The facts

JOBSITE Shimizu HQ Building

LOCATION Tokyo, Japan

CUSTOMER

Shimizu Corporation

BUILDING HEIGHT 106 m

NUMBER OF STOREYS

21 + penthouse

USE Office

PRODUCTS IN USE

Automatic climbing formwork

SKE50 plus

Saving two months' building time

The 106 m tall Shimizu Headquarters building is an environmentally friendly building with solar panels covering 2000 m² of its surface. Doka Japan supplied 'Automatic climbing formwork SKE50 plus' for the concrete core of this new office building.

This HQ building is situated in the centre of Tokyo and has 21 floors. Steel beams join the centre core to the pre-cast concrete outer frame and exterior. "Prior to construction, in consultations which included headquarter staff, we had discussed how to shorten the construction period using a RC layered construction method under cramped site conditions in this built-up urban area", says Toshihide Ishikawa, Site Manager at Shimizu Corporation. "To shorten the period, it is essential to separate the construction cycles of the central core walls from those of the outer surrounding zones. We compared various methods and decided to adopt SKE50 plus, as this is one of the best automatic climbing formwork systems there is for building high-rise cores prior to outer surrounding zone."

SKE50 plus is the ideal system for completing tall structures in short time. A big advantage of the system is that it lets you operate as many as 20 automatic climbers from just one hydraulic unit. This means that several platform units can be climbed up to the next casting section 'in sync'. Because the platforms all stay at the same level, this enhances on-site safety as no drop-off edges open up between the platforms. "Considering typical Japanese body size, some components of the system may seem too large or too heavy for Japanese carpenters to handle at first, but they easily get accustomed to this system and their work proceeds smoothly. Traditional Japanese construction methods involve assembling and dismantling the platforms for every floor, with the formwork materials etc. being passed by hand to the next floor, so this system makes all these procedures unnecessary. As a result, standard floors are being built here in a six-day cycle or sooner, and the finishing condition meets the accuracy required for the structure. It is said that the average age of Japanese carpenters is rising, so this system has great potential to lighten their workload", says Toshihide Ishikawa.

Wide platform decks offer more space

Automatic climbing formwork 'SKE50 plus', with a load capacity of 5 t per bracket, is the ideal solution for many different types of climbing assignment. This innovative system is the suitable way of forming high-rise cores as well as bridge piers and pylons. "Even in this very cramped downtown site, the sys-

tem enables us to keep the floors tidy and uncluttered by dismantled formwork materials as we work. Each platform deck is wide enough for us to put not just the materials for platforms and formworks on it, but also all the equipment we need during construction, such as pipes for concrete pouring and distribution boards for scaffolding and construction", says Toshihide Ishikawa.

Another advantage is that the crane is left available for other tasks, like lifting rebar into place. This reduces the times spent waiting for the crane, and can even make it possible for the site to dispense with one crane altogether. 'SKE50 plus' also helps to ensure uninterrupted construction operations when wind-speeds rise, as the climbing scaffold is anchored to the structure at all times. "SKE50 plus has cut 2 to 3 days from the time it takes us to construct each floor, and this has shortened the total construction period by about two months. In Japan, construction of super-tall office buildings made of RC is on the increase, so system formworks such as SKE50 plus are predicted to have even better chances of being adopted", reports a satisfied Ishikawa. 



Photo: PD system



*Toshihide
Ishikawa,
Site Manager,
Shimizu
Corporation*

The professional

“With the 'Automatic climbing formwork SKE50 plus' system, it's taken us two or three days' less time to build each floor than before. We're using it for 18 floors of the building, and it has shortened the total construction period by about two months. If you want to climb to great heights, this is a really cost-efficient way to do it.”

The solution!

The Automatic climbing formwork SKE50 plus system is climbed by hydraulic cylinders, freeing up the crane for other jobs. The construction schedule on this project is very tight, with a higher ratio of crane work than usual, so this solution has given a big boost to efficiency.

◀ Each platform deck is wide enough to put not just the materials for platforms and formworks on it, but also all equipment needed during construction.



▲ Mathieu Guilé is in charge of this challenging bridge project amid the jungle landscape of Equatorial Guinea.

Out of the jungle!

A new city called Oyala is being built in Equatorial Guinea, where efficient Doka technology is helping to carry out a unique bridge project.

Mathieu Guilé, the Technical Manager of this ambitious project, agreed to give us a brief interview.

Could you tell us some of the main facts about this new city of Oyala?

Yes, of course. Oyala is a new city being built around 120 km south-east of Bata in the jungle hinterland of Equatorial Guinea following a decision by that country's government. Currently there are only three 'inner-city' bridges, and several highways that are partly finished or still under construction. These will connect the city with the new airport at Mongomeyen and develop the strategic importance of the seaport of Bata for the neighbouring country of Gabon and

for Central Africa as a whole.

Why did you decide to work with Doka?

To build these cable-stayed bridges in such an isolated location, we need strong support that we can rely on. The job is being led by Bouygues Bâtiment Guinée Equatoriale, a subsidiary of Bouygues Bâtiment International. A major challenge on this assignment was to assure a high standard of safety throughout the shell construction phase, and the Doka formwork solutions met all our requirements. Engineering support was provided by a team of technicians at Doka's Tunis office, who have helped us to build safely, quickly and efficiently.

The facts

JOBSITE Oyala Bridge

LOCATION

Inland Equatorial Guinea

CUSTOMER Bouygues Bâtiment Guinée Equatoriale

PRODUCTS IN USE Top 50, Staxo 100, working platforms, (WS10 platforms including WS10 supporting head), Staxo 40



Besides engineering support, what other services did you need from Doka? What Doka equipment is currently in use at the jobsite?

For this 150 m long and 23 m wide cable-stayed bridge, Doka designed and supplied us with the foundation formwork, a Staxo 100 stairtower to access the pylon climb-forms during erection, and the side-span scaffolding assembled from the Load-bearing tower Staxo 100 system combined with Top 50 formwork. For the intermediate transverse beams of the pylons, the brand-new lightweight Load-bearing tower Staxo 40 shoring system was used. Finally, stay-cable working platforms (WS10 platforms including WS10 supporting heads) allowed us to ensure maximum safety on the site.

What did you most appreciate about the Doka service?

- Their tremendous efforts in the tender stage, regarding both technical and economical aspects
- Their flexibility and willingness to undertake detailed design works during construction
- The technical assistance they gave us during construction

We really appreciate the professional cooperation Doka gave us with their support and high expertise.

Thank you very much for the interview. We wish you continued success with your jobsite! ☺

▲ Load-bearing tower Staxo 100 combined with Large-area formwork Top 50 enables fast and efficient working on this site.

▼ The final result – pylons and side-spans formed entirely with Doka formwork solutions.



Tan Wenpeng,
Technician,
Guizhou Road &
Bridge Group



The professional



“These high-quality formwork systems are easy to handle and achieve excellent construction results.”

Hilly, high and just-in-time

Doka China is supplying equipment for a key stretch of the Hangrui Highway, in a mountainous area of Guizhou Province. The formwork solution achieved a four-day cycle with SKE50 plus for the casting sections of the main piers.

The facts

JOBSITE Hangrui Highway in Guizhou Province

LOCATION Guizhou Province, China

CUSTOMER Guizhou Road & Bridge Group

PRODUCTS IN USE Automatic climbing system SKE50 plus, Climbing formwork MF240, Framed formwork Framax Xlife, Large-area formwork Top 50

REQUIREMENTS Flawless fair-faced concrete surfaces on piers.

The highway connects two cities: Hangzhou (in Zhejiang Province, eastern China) and Ruli (in Yunnan Province, western China). Only nine months have been allowed for construction of the pier bodies. These include four huge piers of 103 m in height, four constant cross-section piers of 65 m in height and 13 tapered piers. Flawless fair-faced concrete surfaces have been stipulated for all these piers.

Doka came up with just the right formwork solution: By using four sets of the ‘SKE50 plus’ automatic climbing system, the team achieved a four-day cycle for the casting sections of the main piers. Seven cranes assisted the formwork system MF240 in the construction of the transitional piers. Thanks to

its practical constructional design, this climbing formwork can be adapted to highly diverse requirements, easily and very flexibly. In addition, Framax Xlife has been fielded here in combination with Large area formwork Top 50, which is mainly being used in the construction of the main and transitional piers.

In response to the customer’s requirement, the upper platforms were heightened to allow concrete curing and rebar-placement for the next casting section to proceed simultaneously. The required products are delivered from the warehouse in Shanghai to the construction site within one week. The relative geographical closeness of the warehouse to the construction site ensures smooth construction progress. 

► **The climbing formwork MF240 permits controlled, regular working cycles on all tall structures.**

The solution !

Fast concreting sections and flawless fair-faced concrete surfaces with Climbing formwork SKE50 plus combined with MF240, Framax Xlife and Large-area formwork Top 50.





◀ 1300 m² of Large-area formwork Top 50, offering immense flexibility with only three different system components.

The facts

JOBSITE Plot 03-22 Startup Zone, Yujiabao Financial District, Tianjin

LOCATION

Tianjin New Coastal District

CUSTOMERS China Construction Seventh Engineering Division Co. Ltd.

PRODUCTS IN USE Automatic climbing system SKE50, Large area formwork Top 50 and shaft system

REQUIREMENTS

Fast construction procedures combined with smooth concrete surfaces for the main concrete core

Fast cycle times and a high standard of safety

Doka China has supplied the entire formwork solution for the Tianjin Shenglong Financial Centre, a new landmark development in the Tianjin New Coastal District of northern China.

This architecturally striking office building is 242 m tall. The unusual geometry of this office tower makes it a particular challenge to construct. Nevertheless, the contractors have only an 11-month time window within which to complete the skyscraper. To meet the high quality requirements specified by the customer, smooth concrete surfaces and cost-efficient forming operations are an absolute 'must' here.

Doka China has supplied the entire formwork solution, including 66 sets of Automatic climbing formwork SKE50, six sets of shaft systems and 1300 m²

of Large-area formwork Top 50 for this technically challenging high-rise project. With this high-performance solution, the site crew is achieving a five-day cycle for each of the 4.2 m high casting sections. Doka's highly experienced technicians accomplished this difficult design task in a tight schedule so as to meet the customer's requirements. Using the Automatic climbing formwork SKE50, the construction crew of China Construction Seventh Engineering Division Co. Ltd. is achieving not only fast cycle times but also a very high level of workplace safety and economical usage of formwork equipment. 

The solution !

The Automatic climbing formwork SKE50 system enables fast cycle times, huge flexibility and the utmost cost-efficiency.



*Zhou Hengran,
General Technician,
China Construction Seventh
Engineering
Division Co. Ltd.*

The professional

“ Doka formwork systems are very safe and reliable, which has really advanced construction progress. Doka is one of our best co-operation partners.”

In brief

News, dates, media, awards



▲ Welcome to Doka China: Andy Li, Peter Peng, Tim Qiu and Tony Zeng



▲ Take a 'click' into Doka's new Online World. You'll like it!

TRAINING FOR NEWCOMERS

With the development of Doka China, the team is being made stronger all the time. The sales departments in Shanghai, Beijing and Chengdu recently welcomed new colleagues – Andy Li, Peter Peng, Tim Qiu and Tony Zeng. The newcomers were trained by the technical, sales and business department in Shanghai. Doka China customers now have some highly capable new partners at their service. Peter Peng says: "Doka formwork systems are used for worldwide projects, and we fit the requirements for very many projects. The products give higher utilisation and longer useage."

EXCITEMENT AT EVERY CLICK

Dependable, high-performing, inspiring – in a word pathbreaking! These are the values that people associate with Doka. To underline the Doka Group's innovative capacity in its online communications as well, the company is now presenting itself in a pathbreaking way

on doka.com. Right from the very first click, visitors are struck by the innovative design of the new website. The interactive product and service search is sure to be a hit with visitors. The Newsroom informs users in real-time about all that is going on in the World of Doka and aggregates various different social-media channels. Join us on doka.com, twitter.com, youtube.com or facebook.com – you'll like it!

AWARD OF EXCELLENCE FOR DOKA

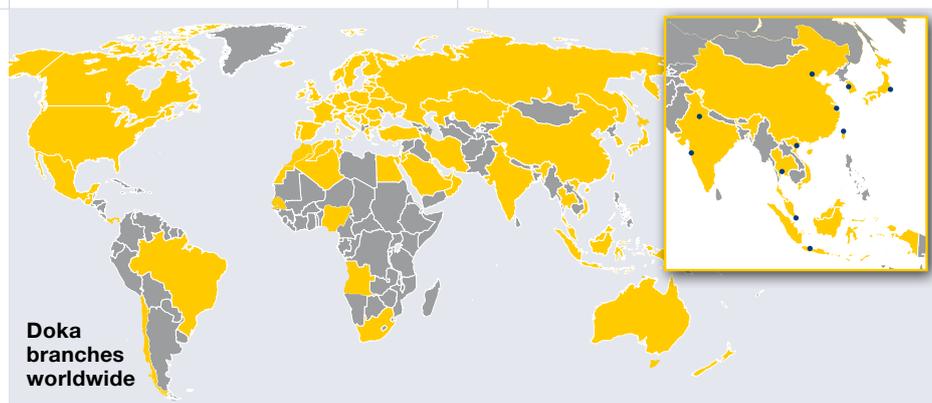
Doka Canada has won the vaunted ACI 2011 Award of Excellence in Concrete. The American Concrete Institute (ACI) awards the prize annually for outstanding achievement. Doka Canada received the award for its groundbreaking formwork solution on the St. Joseph Seminary project in Edmonton, Alberta. Doka developed a special formwork solution to implement the characteristic, challenging architecture of the seminary's new chapel.



Doka GmbH
 Josef Umdasch Platz 1
 A 3300 Amstetten, Austria
 Tel. +43 (0)7472 605-0
 Fax +43 (0)7472 64430
 e-mail: info@doka.com
 Internet: www.doka.com

Get the latest news:
 facebook.com/dokacom
 twitter.com/doka_com

www.doka.com
e-mail: editors@doka.com



Doka branches worldwide

Impressum: Doka Xpress is a publication of the International Doka Group. **Publisher:** Doka GmbH, Josef Umdasch Platz 1, A 3300 Amstetten, Austria. **Editor-in-chief:** H. Bachinger. **Layout design:** COMO GmbH, Linz, Austria. **Printers:** Niederösterreichisches Pressehaus, St. Pölten, Austria. **In some cases the site photos show the situation during formwork assembly and are therefore not always complete from the point of view of safety.**