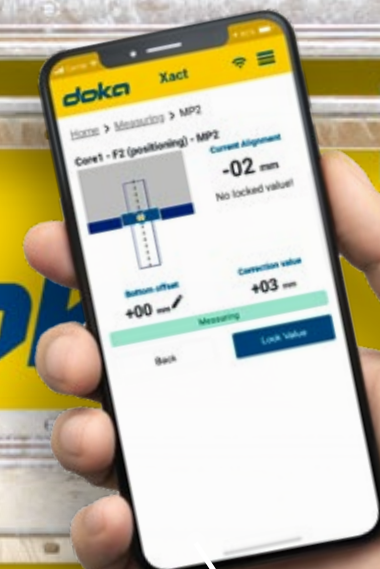


Network components



- Are the interface between sensors and mobile devices
- Process the measured data to save locally and in the cloud
- Communicate by wifi within the system's dedicated LAN

Sensors

- Are installed at defined positions of the wall formwork
- Were specially developed for Doka framed formwork and timber-beam formwork systems
- Employ a redundant measurement process to determine the real-time inclination of the formwork



User software

- App**  
- Guides the site crew through the procedure for positioning and plumbing the formwork
 - Visualises the positions of the formwork elements in real-time

Web portal

- Is the powerful monitoring, analysis and reporting tool for stakeholders such as site managers and surveying engineers
- Enables data import from as-built surveys

DokaXact in action

Reference projects

Elephant Park

London | UK



More insights
in our video:

www.doka.com/elephantpark-video

James Wibberly

Project Engineer, A J Morrisroe & Sons Ltd

'The positional accuracy of the formwork elements is vitally important. Now we are able to monitor positioning before, during and after pouring, and we have the process under control from start to finish. So we can be certain that the structure is built as planned and no mistakes can creep in.'

Joel Van Cranenbroeck

Managing Director,
CGEOS - Creative Geosensing SPRL

'The most exciting aspect of this project is our deployment of DokaXact. With DokaXact the high accuracy requirements of surveying can be transposed to formwork positioning. DokaXact makes plumbing the formwork much simpler, easing the surveying engineers' workload. The digital system is a step toward Industry 4.0 in high-rise construction.'

Karlatornet

Gothenburg | Sweden



More insights
in our video:

www.doka.com/karlatornet-video

One Nine Elms

London | UK



More insights
in our video:

www.doka.com/onenineelms-video

Pablo Porcel

Senior Engineer,
Byrne Bros. (Formwork) Limited

'With the DokaXact app the site crew has an easy job of plumbing the wall formwork. The system takes the position of the previous pouring section into account. As Senior Engineer, I can monitor the as-is position of the formwork before and during pouring without stepping outside my office.'



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We reserve the right to make alterations in the interests of technical progress.

doka

Formwork positioning at a new level with DokaXact

PART OF **upbeat construction**
www.upbeatconstruction.com



The Formwork Experts.

DokaXact

DokaXact is the first interactive sensor-based system for accurate positioning of wall formwork elements for vertical structures, such as high-rise concrete cores. It assists the site crew and surveying engineers with quick and accurate plumbing and alignment of the wall formwork of automatic climbing systems. The key components are the sensors which, installed on the formwork, are in wireless communication with a central processing unit. DokaXact transforms the traditional surveying process into state-of-the-art, digital plumbing and monitoring of the entire wall formwork.

Plumb the wall formwork of climbing systems quickly and with only minimal surveying.

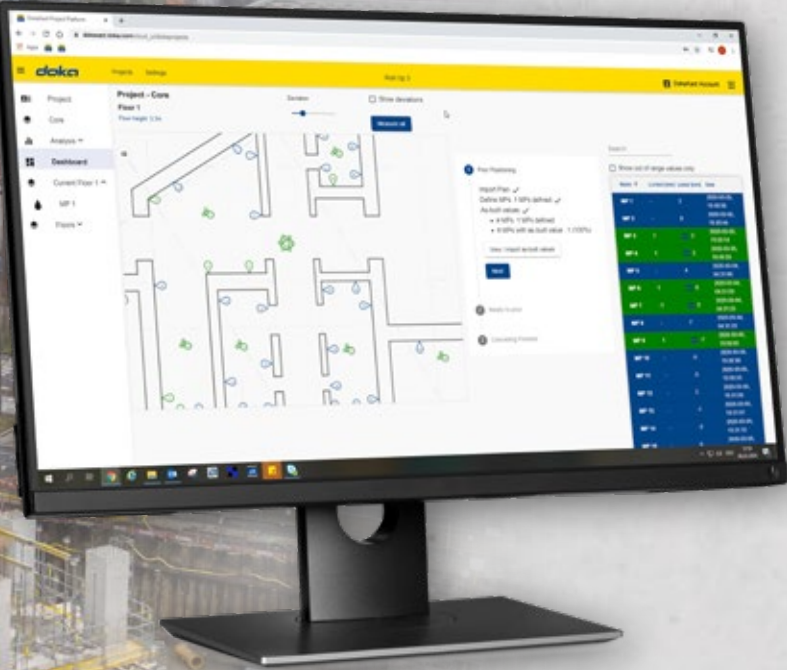
Track the plumbing processes live and on- or off-site.

Increase positional accuracy for casting the structure's vertical elements.

DokaXact integration into your construction workflow

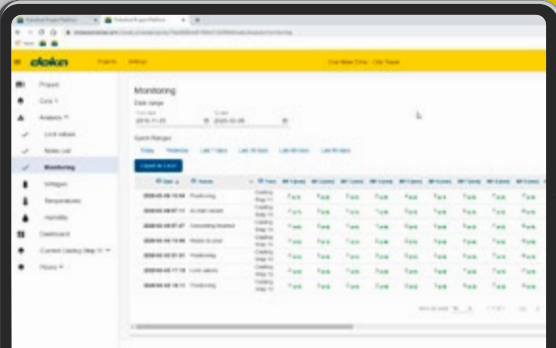
Transparent processes

- Web portal gives project stakeholders clarity regarding build progress and on-site performance
- Digitised field data for optimisation and transparent planning of the concreting and finishing work



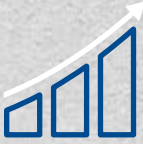
Enhanced positional accuracy

- High system accuracy of ± 2 mm eliminates the human error that plagues manual set-up with plumb-bob and line
- All sensors are monitored live for pinpoint accuracy in precision-adjusting formwork elements before and during pouring
- Better point of departure for the follow-up trades such as elevator installers, because DokaXact delivers accuracy for tolerance-critical builds



INTERNATIONAL
ACCLAIM

CTBUH Innovation Award 1st place | 2020 | USA
Matexpo Innovation Award 3rd place | 2019 | BEL
Bauma Innovation Award finalist | 2019 | GER
More at www.doka.com/DokaXact



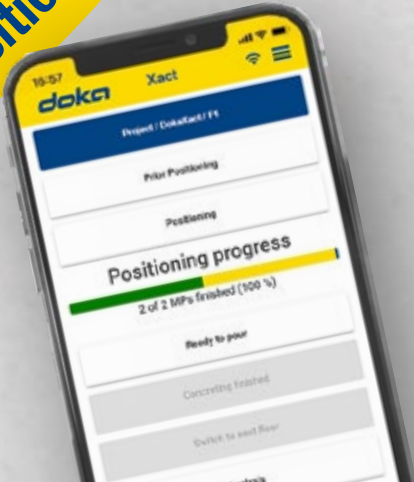
Less surveying work

- More time and freedom for surveying engineers, because DokaXact makes it easier for the site crew to self deliver the accurate placement required
- Digital documentation of the formwork, reinforcement placing and concrete pouring process helps minimise paperwork in the office



Faster formwork positioning

- Optimised formwork process, because no need for coordination between surveying engineers and site crew as the formwork is set up
- App assistance, predefined routines for fast plumbing of the formwork elements



More insights
in our video:

www.doka.com/dokaxact-video

