



doka



# Make the invisible visible

## DokaXact Load & Pressure

powered by

**doka360**

When digital finally clicks.

Formwork & Scaffolding.  
We make it work.

# Make the invisible visible

What happens inside formwork when pouring? Nobody can tell it exactly ... with DokaXact – you can!

DokaXact Load and Pressure sensors enable you to monitor your concrete pouring in real time for more safety, better scheduling and higher quality.



## Save Time

- Efficient pouring in all weather conditions
- Convenient visualisation directly on the smartphone
- Monitoring of multiple sensors at the same time



## Increase Safety

- Reliable data directly derived from the concrete during the pouring process
- More certainty when utilising SCC or low-carbon concrete
- Digital documentation of all measured data



## Enhance Quality

- Higher concrete durability and aesthetics
- Avoidance of formwork deformation
- Prevention of cold joints



## Reduce Costs

- Optimum utilisation of staff, formwork and other material
- Competitive advantage on (future) project(s)

# Fields of application

Just like our formwork the DokaXact sensors can be used on a wide range of concrete construction sites such as high-rise buildings, (non) residential, infrastructure and energy projects. Anywhere mission-critical data is needed DokaXact will enable you to get the most out of your project.



Tall walls & columns



Tall single-sided walls



Projects with critical anchor loads



Tunnel projects

# Monitoring anchor load and fresh concrete pressure

DokaXact can be used to monitor both the anchor load and the fresh concrete pressure. The DokaXact sensors enable visibility of the information on a smartphone, to support efficient and safe controls during the concreting process.

## DokaXact Load sensor



### Compact wireless load cell

- Installed directly on the tie rod
- Usable for the most common tie rod systems

## DokaXact Pressure sensor



### Compact wireless sensor

- Installed directly in the formwork plywood
- Adjustable to any plywood thickness from 9 to 27 mm



Both sensors are robust, water and dust resistant and connect via Bluetooth with the user's smartphone.

Scan here for videos and downloads



## Success story

### Sanitary Trunk Sewer Shaft DS-4

Mississauga, Ontario, Canada



Reduction of pour time by 5 hours

#### Challenge

- Finding the right pouring speed, as formwork withstands only low fresh concrete pressure
- No experience with such a low permitted pressure

#### Achievement

- Speed of placing = 0.50 m/h
- 5 hours earlier completion than planned



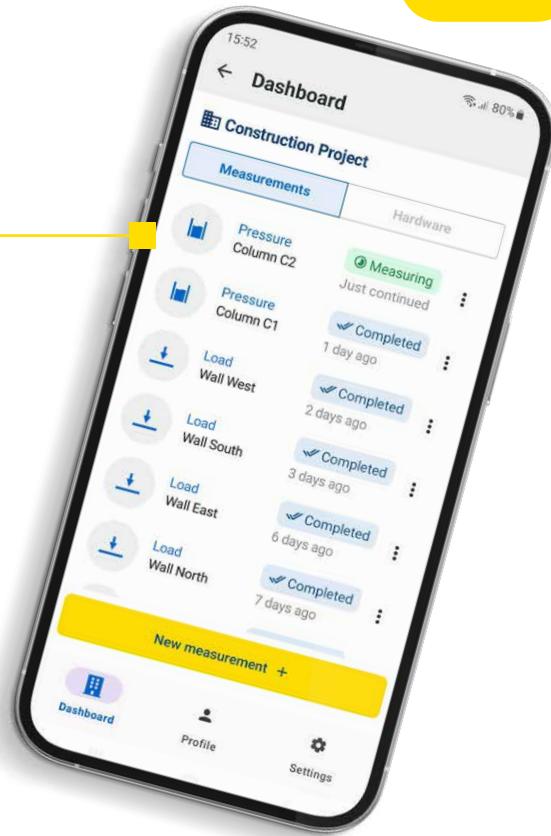
# DokaXact app & web portal



Monitoring of the concreting process and documentation

## The mobile app

displays the fresh concrete pressure or anchor load in real time, enabling precise control of the concreting process. This prevents the limit values from being exceeded and maintains safety and efficiency during concreting.



## The web portal

provides detailed information and access to comprehensive documentation at the touch of a button, at any time.

