

# CONCREMOTE

Optimising your construction.  
Every time.

**doka**



**Save  
time**



**Increase  
safety**



**Enhance  
concrete quality**



**Reduce  
costs**

The actual display may differ from the illustration shown here.

# Concremote

Concremote uses sensors to measure the temperature and calculates compressive strength of the concrete structure. Due to this method, you can plan your construction project better and no matter where you are, you have access to your real-time data at any time. As a result, you can gauge concrete performance and initiate the necessary measures at exactly the right time.

When is the **earliest possible stripping time?**

Which **concrete mix** will be the most **cost-effective?**

How can you plan in advance to **avoid follow-up costs?**



See how easy it is to apply the Concremote cable sensor 2.0. Scan QR code!

## Universal usage

Slab



Wall



Mass Concrete



**Calculation of concrete compressive strength in accordance with standards:**

EN 13670, DIN 1045-3, ZTV-ING, NEN 5970, NF EN 13670, BS EN 13670, BS 1881 part 201, ASTM C 1074 and ACI 228.1R

# Save time



- Implement shorter cycle times with certainty by measuring, instead of having to rely on traditional approaches and incremental test cubes
- Switch concrete mix to optimise construction time
- Time savings due to:
  - Real-time data
  - Automatic notifications when reaching the target value
  - Digital documentation



# Increase safety



- Higher safety due to reliable data from the concrete structure
- Hard data for compliance conforming quality and strength thresholds
- Safe repositioning of the formwork in winter working conditions



# Enhance concrete quality



- Required curing time is measured for quality assurance
- Temperature monitoring in order to avoid cracks
- Support for achieving uniform fair-faced concrete colour tones
- Optional: Automatic control systems for the heating and cooling of concrete

# Reduce costs



- Optimal use of material and personnel due to planned cycle times
- Validated concrete quality for reduced concrete finishing costs
- Optimise concrete procurement
- No traditional testing cubes for early concrete strength needed



# The method for optimising



Click here for the application video of the Concremote calibration-box cube

## 1. Planning

Use Concremote already in the quotation phase and work preparation:

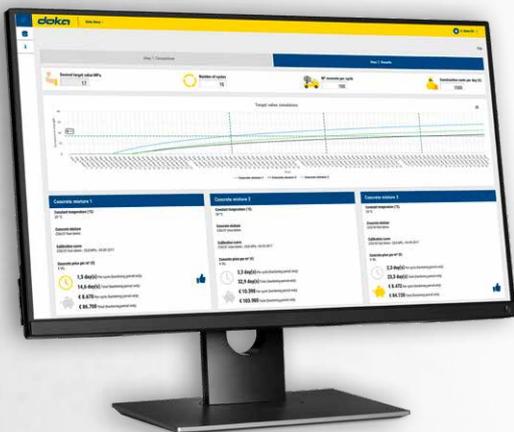
- Simulate the strength and temperature development per mixture in advance, thereby planning your cycle times with higher certainty.
- Decide flexible for the most economic mix.

## 5. Learning

- Utilise previous Concremote data to optimise your pricing and workflow planning for subsequent steps and for further projects.
- With the Scenario Comparison feature you can compare different concrete mixes. This allows you to choose the most economic mix for your upcoming casting step.

## 4. Evaluation & Measures

The measurement results are logged. So you have hard data to support your decisions in executing critical path activities (stripping, post-tensioning, climbing, curing) at the earliest possible time.



# g your construction project



## 2. Measurement

The digital sensor continuously measure temperature and transmit wireless via 2G, 3G, 4G and Bluetooth BLE. Your concrete's strength gain is then calculated in the Concremote web portal.



## 3. Information & Monitoring

- Reliable information is available in real-time through the web portal and the app.
- Push notifications inform you when the concrete reaches the target strength.
- The Forecast feature allows you to predict compressive strength development and therefore enables a better planning of upcoming tasks.

Boost your  
**PRODUCTIVITY**



# Success stories

from more than 1,700 projects worldwide.



## L76 Schlossgalerie Landeck

Landeck, Austria



Ensured stripping time of **16 hours**

Cost savings of **35,000 EUR**  
due to concrete optimisation

Saving a total of **330 tons** of cement



## New Hospital Drammen

Drammen, Norway



Earlier project completion by **1 month**

**Documented concrete quality**  
for the required documentation

**Financial savings**  
due to reduced formwork rental costs



Real-time data, push notifications and much more.  
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