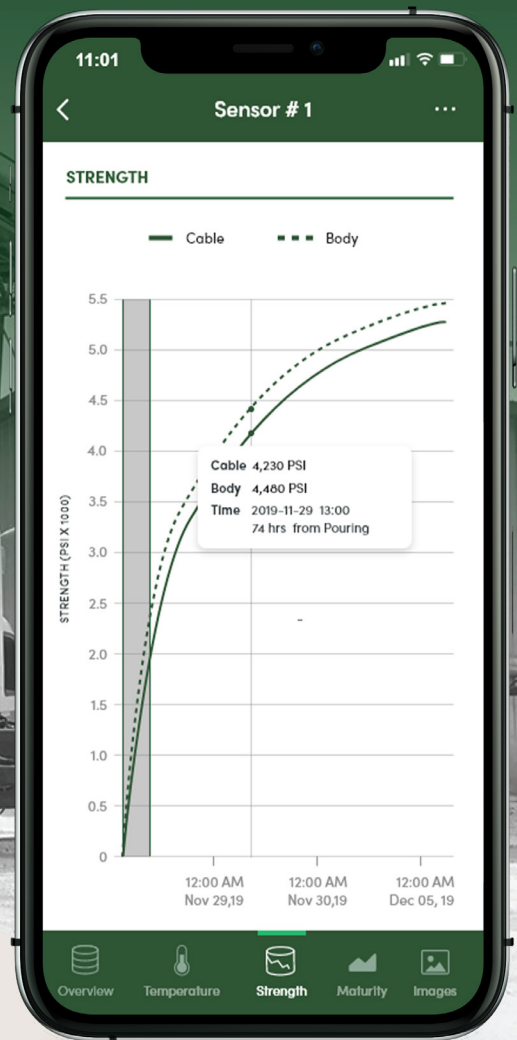# GIATEC

SmartRock™ Plus

Empower contractors, know your concrete, win more business

"Stoneway has successfully offered SmartRock Plus to construction companies in Seattle working on high-rise structures and concrete pavements. Contractors immediately see the value as they can obtain real-time strength information on the jobsite through this novel mobile-based technology."

Greg McKinnon
Operations Manager
Stoneway Concrete

11:01

Sensor # 1

STRENGTH

—— Cable   ‧‧‧‧ Body

Cable 4,230 PSI
Body 4,460 PSI
Time 2019-11-29 13:00
74 hrs from Pouring

STRENGTH (PSI X 1000)

5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0

12:00 AM   12:00 AM   12:00 AM
Nov 29,19   Nov 30,19   Dec 05, 19

Overview   Temperature   Strength   Maturity   Images

Be a
Tech Leader

Enhance
Customer Success

Remote Monitoring
Capabilities

SmartRock™ Plus

Empower contractors, know your concrete, win more business

GIATEC

What is SmartRock Plus?

SmartRock Plus is a value-added solution offered by high-quality ready-mix producers that enables their contractors to see real-time concrete temperature and strength data. Conventionally, contractors are left to their own devices when monitoring the curing conditions and quality of their concrete mixes. With SmartRock Plus, producers can simplify this process for contractors and gain valuable data on their concrete in return. Once contractors have installed the fully embedded wireless sensors onsite, they can assign their producer's pre-calibrated mixes to their sensor. Data obtained on the jobsite gives the producer visibility and valuable insight on their mix performance, always providing full control to producers, displaying who uses their mixes while protecting proprietary information.

Jobsite Mix Performance

As an IoT solution, SmartRock Plus combines wireless sensors with mobile and cloud-based applications to make field data available for ready-mix producers. This data can be used to analyze jobsite and concrete mix performance.
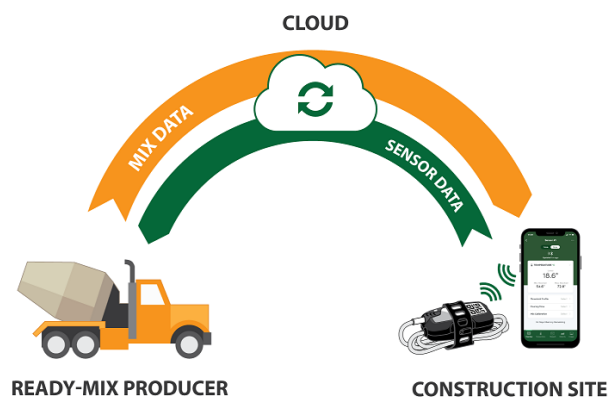
In addition, ready-mix producers will benefit from:

- Online access to jobsite data
- Project-based mix performance results
- Field data to reduce cement usage
- Control of their concrete testing procedures
- Mix calibration submittals

Benefit to Contractors

Producers simply need to calibrate each mix for strength using the maturity method (ASTM C1074) and and upload the data to the system.

Contractors then find their producer in the SmartRock mobile app and request access to use their specific mix calibrations, which are continuously maintained by the SmartRock Plus producers. Once a mix is selected and the sensors are installed, contractors automatically obtain concrete temperature and strength information. This real-time data helps contractors optimize critical operations, such as; formwork removal, post-tensioning, and opening roads to traffic, etc.

SmartRock Plus Enables Producers to Achieve:

- Profits from offering maturity as a service
- Liability protection from pour concrete testing
- Providing value-add to the customers
- Performance analytics available on concrete mixes
- Brand differentiation in local markets

Some of Our SmartRock Plus Partners

CLOUD

MIX DATA

SENSOR DATA

READY-MIX PRODUCER   **CONSTRUCTION SITE**

21v2