SmartRock™ Plus
A NEW VALUE-ADDED SOLUTION FOR READY-MIX PRODUCERS

CLOUD

MIX CALIBRATION DATA

SENSOR DATA

53.0
41.0   95.0

3357

2190

READY-MIX PRODUCER

CONSTRUCTION SITE
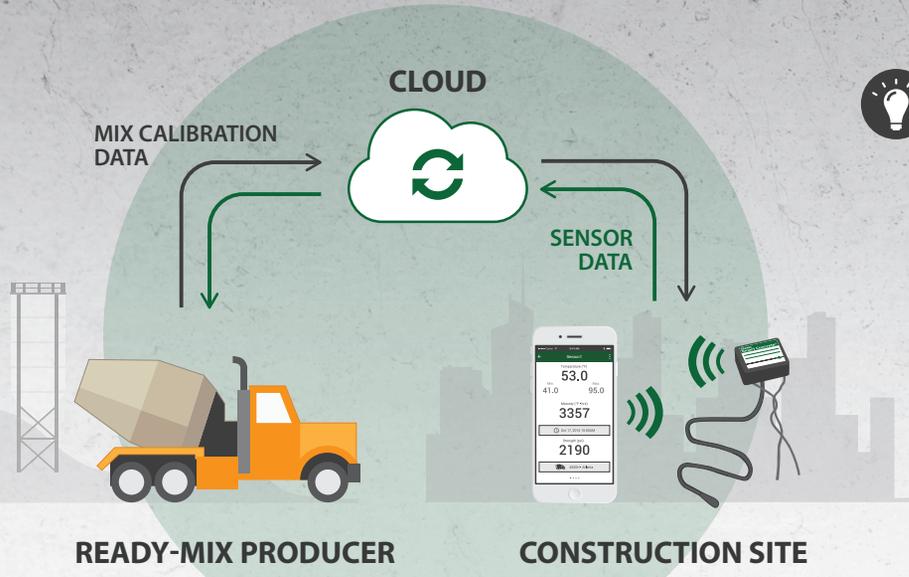
WHAT IS SMARTROCK™ PLUS ?

SmartRock™ Plus is a value-added solution offered by ready-mix producers to the contractors who want to know the strength of concrete in real-time on their jobsites.

Concrete mixes from ready-mix producers can be upsold as Smart® Mixes to the construction companies. Contractors install wireless sensors in the formwork and download the dedicated ready-mix producer's app to connect to the sensor. Once connected, they will be able to obtain real-time temperature and strength results on their job site.

UPSELL REVENUE

All of the producer's structural concrete mixes can be upsold as Smart® Mixes using the SmartRock™ Plus value-added solution. Ready-mix producers only need to calibrate their mixes based on the maturity method (ASTM C1074) and upload them to the SmartRock™ Plus cloud.

SmartRock™ Plus enables producers to achieve:

• Up to 20% increase in profitability
• Brand differentiation in local market
• Further expansion and market share
• Better customer loyalty
• Mix performance optimization

+

Giatec
Smart Concrete™

> "Stoneway has successfully offered Smart Concrete 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

REAL-TIME STRENGTH

Contractors install SmartRock™ Plus sensors in the formwork and select the name of the ready-mix producer in the SmartRock™ Plus app. They can then select the name of the mix from the list of SmartRock™ Plus mixes to obtain and share real-time concrete temperature and strength data on the job site. This information helps contractors optimize critical operations such as formwork removal, post-tensioning, and opening roads to traffic.

SmartRock™ Plus makes the construction practice more efficient by offering:

• Wireless Connectivity
• Mobile-based data collection
• Labour cost reduction
• Quick decision making
• Decreasing the number of break tests

Sensor1

Temperature (°F)
53.0
Min. 41.0   Max. 95.0

Maturity (°F - hrs)
3357

🕐 Oct 17, 2016 10:00AM

Strength (psi)
2190

🚛 4500H - Atlanta
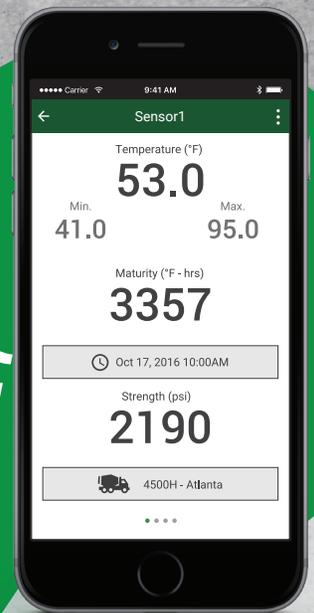
JOBSITE MIX PERFORMANCE

SmartRock™ Plus, as an IoT solution in the concrete industry, combines wireless sensors with mobile and cloud applications to make field data available for ready-mix producers. This data can be used for the smart analysis of concrete performance in order to optimize mix designs.

In addition, ready-mix producers will benefit from:

• Online access to jobsite data
• Project-based mix performance results
• Field data to reduce cement usage
• Mix calibration submittals
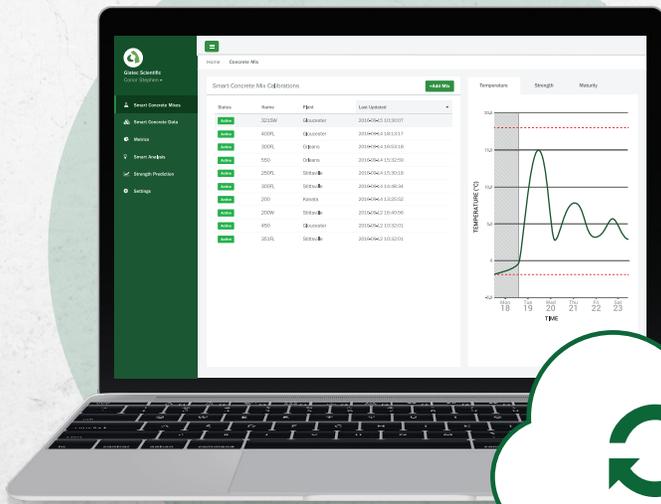
SMARTROCK™ PLUS PRODUCERS

ANGELLE MATERIALS EST. 1946

CONCRETE MATERIALS

Hilltop companies

LAFARGE

TOMLINSON

STONEWAY CONCRETE

MMC MATERIALS, INC. SINCE 1927