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

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

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

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

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