

## Streamline Your Jobsite with SmartRock™ Sensors

When it comes to large projects that take weeks, months, even years to complete, cutting production time can result in huge savings for contractors. Using smart technology like concrete strength and maturity sensors can help save weeks on your schedules without adding risk.

Although concrete is predictable, it is impacted by many variables that make every pour unique. With technologies like the [SmartRock™](#) wireless concrete temperature and maturity sensors, contractors are able to know the strength and maturity of concrete in real-time, thus eliminating the need for schedule padding and unnecessary delays.

### Why is it Important to Know Concrete Strength?

Even though the degree of importance varies by structure, location, and use, the strength of any structure is important. Strength and maturity is usually the basis for acceptance or rejection of the concrete in the structure. Knowing field strength of concrete is required for the optimization of certain operations such as post-tensioning, heat curing optimization – especially in winter time when heating is necessary to develop enough strength, – saw cutting, opening roads to traffic on concrete pavement, and formwork removal. Building codes or specifications designate the strength required for the different parts of the structure. Insufficient strength can lead to structural failure and thousands of dollars in reparation, which is why it is important to properly and effectively measure strength at all stages of the project.





## **Eliminate Schedule Padding**

Smart concrete sensors provide data required to predict when concrete strength will meet required specifications and eliminate much of the wait time brought on by extensive laboratory testing. Easy access to this data allows general contractors to act as soon as possible and to reduce the required number of cylinder tests, resulting in less wait time and

lower laboratory costs. Contractors often also experience delays in processes due to inherent issues with conventional break tests which can cost them upwards of \$15,000 per day. Reducing wait time not only reduces laboratory costs, but also costs required to pay workers, rent or run equipment, and more.

**[Calculate my SmartRock ROI](#)**