

A remote monitoring system for accessing concrete data anytime, anywhere.

SmartHub™ is a rugged device that remotely monitors concrete temperature and strength data collected by your SmartRock™ wireless sensors and syncs this information with your mobile device in real-time.

## Overview

SmartHub is a remote monitoring system that allows you to access your SmartRock sensor data from anywhere, at anytime. SmartRock is the most widely used wireless concrete sensor in the world, helping construction companies build structures faster, safely, and more economically. These user-friendly sensors are easily installed in the concrete formwork (on the rebar) before pouring to monitor your concrete's in-situ temperature and strength in real-time. The Hub automatically collects this data recorded by the SmartRock sensors and uploads it to the Giatec 360 cloud via LTE/ Wi-Fi connection where it is synced to your team's mobile devices within the SmartRock app. With the Hubs alert system, smart notifications are sent to let you know when your concrete reaches specific temperature gradients or strength thresholds. This lets you to know when your project is ready for the next steps in the construction process allowing you to optimize your project schedule.

## Install SmartHub™ in 3 Easy Steps

1. Log into the SmartHub using your Giatec 360 account
2. Place the Hub in your jobsite near SmartRock sensors
3. Get real-time results and alerts on the mobile app or web-based dashboard.

## Applications

- 24/7 access to critical data
- Optimization of curing conditions
- Quality control in the field
- Cold and hot weather conditions
- Commercial projects
- Hard to reach or hazardous locations



# Features

## Hardware

- Wireless technology
- Android tablet
- Rugged and wireless design
- Easy installation and activation
- Battery charger
- LTE compatible with all Canadian providers, AT&T, and T-Mobile

## Software

- 24/7 data collection and analysis of multiple sensors
- Real-time data display (temperature, strength, max-min values, and graphs)
- Maturity calibration database
- Free Android app included with tablet
- Free Giatec 360 desktop account (required)
- Easy data sharing between team members
- Project management tools including live data sharing
- Full PDF & CSV reporting and data exporting



24/7 Remote Monitoring System



Real-time Custom Alerts



Unlimited Sensors

## Technical Specifications

|  |  |
|--|--|
| <b>Reading Range</b>                   | -30 to 80 °C (-22 to +176 °F)                              |
| <b>Measurement Frequency</b>           | Once every 30 mins<br>(for 2 months of data)               |
| <b>Wireless Signal Range</b>           | 100 feet (31 meters)<br>when SmartRock is outside concrete |
|  | 25 feet (8 meters)<br>when SmartRock is inside concrete    |
| <b>No. of Connected Sensors</b>        | Up to 130 at one time                                      |
| <b>Dimensions</b>                      | 321 x 229 x 111 mm<br>(12.6 x 9 x 4.3 inches)              |
| <b>Weight</b>                          | 3.6 lbs  |
| <b>Battery Life</b>                    | Up to 10 days  |
| <b>Data Communication and Analysis</b> | Android tablet included<br>Giatec 360 Cloud Dashboard      |
| <b>Network Compatibility</b>           | All Canadian Providers, AT&T, T-Mobile                     |