GIATEC

SmartHub™

A Remote Monitoring System for Accessing
Concrete Data Anytime, Anywhere

24/7 Remote Monitoring System

Real-Time Custom Alerts

Unlimited Sensor Connections

SmartHub™

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Install SmartHub in 3 Easy Steps

1

Login to the SmartHub device using your Giatec 360 account

2

Secure the Hub on your jobsite near the SmartRock sensors

3

Get real-time results and alerts on your mobile device or Giatec 360 cloud-based dashboard

Overview

SmartHub is a remote monitoring system that allows you to access your SmartRock sensor data at anytime, from anywhere. SmartRock is the most widely used wireless concrete sensor in the world, helping construction companies build structures faster, safer, and more efficiently. 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 dashboard via LTE/Wi-Fi where it is synced to your team's mobile devices in the SmartRock app. The Hubs alert system sends smart notifications to let you know when your concrete reaches specific temperature or strength thresholds. With real-time information you know when your project is ready to move on to the next steps in the construction process, allowing you to optimize your schedule.

Features

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

Hardware

- Wire-free and 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

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

Technical Specifications

Reading Range
–22 to +176 °F (–30 to 80 °C)

Measurement Frequency
Once every 30 mins
(for 2 months of data)

Wireless Signal Range
- 25 feet (8 meters) when SmartRock is embedded in concrete
- 100 feet (31 meters) when SmartRock is outside concrete

Battery Life
Up to 10 days

Network Compatibility
All Canadian Providers, AT&T, & T-Mobile

Data Communication and Analysis
Android tablet included Giatec 360 Cloud Dashboard

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