Geotech SitePro Telemetry System with Geotech SiteView

Geotech SitePro is a wireless telemetry system that uses cellular networks to seamlessly provide real-time environmental monitoring data. Designed with sensor compatibility in mind - SitePro easily integrates with analog, pulse, RS485 Modbus RTU, RS232, and SDI-12 communication instruments. SiteView is a cloud-based software-as-a-service (SaaS) that streamlines the project management process by offering site data access from any computer or smartphone with internet connectivity.

FEATURES

- Simple installation and operation

- Immediate access to data anywhere on any device

- Supports environmental sensors – water level, water quality, flow, and weather

- Seamless addition to any Geotech GECM, Sipper, and Buoy system

- NEMA4 environment rated enclosure

- Internal Data Logger with 32GB microSD for years of secure data storage

- Extended battery life

- Optional OLED display for local data review

SITEVIEW DATA HUB

SiteView is a centralized project management cloud-based application that provides remote access to data collected at one or multiple sites. The online platform displays live readings, systems status, configure alerts, and export recorded data. SiteView is password-protected with administrative access and multi-level user control. The dashboard includes a Google Maps interface for quick access to each SitePro location. Simply select a site to immediately view current data values and extended recorded data in graph format. SiteView also features equipment maintenance and calibration logs.

- 24/7 data access from web connected computer or smart phone
- Interactive Cloud Based Interface – no software to install
- Scalable –add and access additional SitePro stations at multiple sites
- Review data from any number of computers simultaneously
- Secure Log-in with administrative controls
- SMS and Email Alerts

CALL GEOTECH TODAY (800) 833-7958

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SPECIFICATIONS

General

Cellular Network	2G to 4G LTE, NB-IoT, 5G, CAT-M, and eSIM (All global cellular networks available) 4FF Nano
End Device Certified (LTE-M)	AT&T, Verizon, Bell, Telus
Compatible with other carriers offering LTE-M and NB-IoT services	Bands 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28 and 39
FCC certified and carrier end-device certified	✔
Regulatory Approvals	FCC (USA) MCQ-XB3M1 IC (CANADA) 1846A-XB3M1 CE/RED (EUROPE) Complete RCM (AUSTRALIA/NEW ZEALAND) Complete
BTLE (Configuration access only)	✔
Long Range Radio	1 Watt/900MHz (-110 dBm @9600 bps) standalone network out door line of sight rage up to 40 miles (Requires separate radio hardware and network hub to access data via web interface)
Operating Temperature Range	-4 to 122 degrees F (-20 to 50 degrees C)
Storage Temperature Range	-40 to 140 degrees F (-40 to 60 degrees C)
Onboard Digital Storage	Removable 32 GB standard (10+ years @ full data rate)
Cloud Storage	Infinite (data storage rates vary)
Logging Interval	1 second to 24 hours (logarithmic logging supported)
Sitepro to Cloud Upload Interval	NB-Iot 2 to 10 seconds (not configurable) LTE-CAT-M 50 to 100mS (not configurable)

Power

Internal	9 Ah SLA Battery (Larger battery and charge systems available to accommodate specific global location requirements)
External	12 VDC to 24 VDC
Power Draw	1.2 Watts (nominal)

AC Mains Power Supply Battery Charger

Input	100~240 VAC 50/60Hz
Output	13.8 VDC @ 0.8A
Power	10 Watts (nom)

Solar Panel Array

Dimensions	10.8" X 15.5" X .2" (27.4 cm X 39.3 cm X 0.5 cm)
Open Circuit Voltage	22.4 V
Peak Voltage	18.9 V
Peak Current	930 mA
Peak Power	17.6 W
For maximum power output, orient panel towards the sun	✔
Waterproof (IP67)	✔
UV Resistant	✔
High-efficiency monocrystalline cells	✔
Wind up to 2,400 Pascal, or approximately 140 MPH	✔

Larger panels and panel arrays available to accommodate specific global location requirements.

Solar Panel Bracket

Material	Rugged 2.5 mm aluminum

Mount to any horizontal or vertical pole/pipe. Mount to any flat surface.

Sensor Input

Analog Input	3 x 4-20 mA
Pulse	5 x 0.1 Hz to 1k Hz
SDI-12 Input	Version 1.4 ASCII '0' through ASCII '9' standard addresses. More than 10 sensors ASCII 'A' through ASCII 'Z' (decimal 65 through 90) and ASCII 'a' through ASCII 'z' (decimal 97 through 122). Regulated Switched 12VDC sensor supply (not a switching power supply)
RS485	10Mbit/s or lower speeds up to 4000' (1200m) 7V to +12V Common-Mode Input Voltage Range Driver Output Short-Circuit Protection Allows up to 32 transceivers on the serial bus Modbus RTU protocol support via web app.
RS-232	Up to 19.2k baud (Full speed is possible with short cables – lower rates may need to be used for cable lengths over 50 feet)
I2C qwiic	Sensors cannot be field integrated. Platform is not open source. Sensors and devices must be added at time of purchase.

Enclosure

Dimensions	10." x 8." x 6." (254 mm X 203 mm X 152mm)
Mounting	10.94" x 6" (278 mm X 152 mm) Wall brackets included (pole mount not included)
Materials	Compression Molded Fiberglass 316 Stainless Steel Hinge Pin
Access	Corner Latch Design
Rating	NEMA 4

Data Rate

Number of Messages/hr.	60
Number of Fields/Message	32 fields
Size of Field	4 floats for every field
Total Size	128 Bytes/message
Bytes/Day	180 kB

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