

# Wireless Web-Based Generator and Pump Station Monitoring and Remote Control

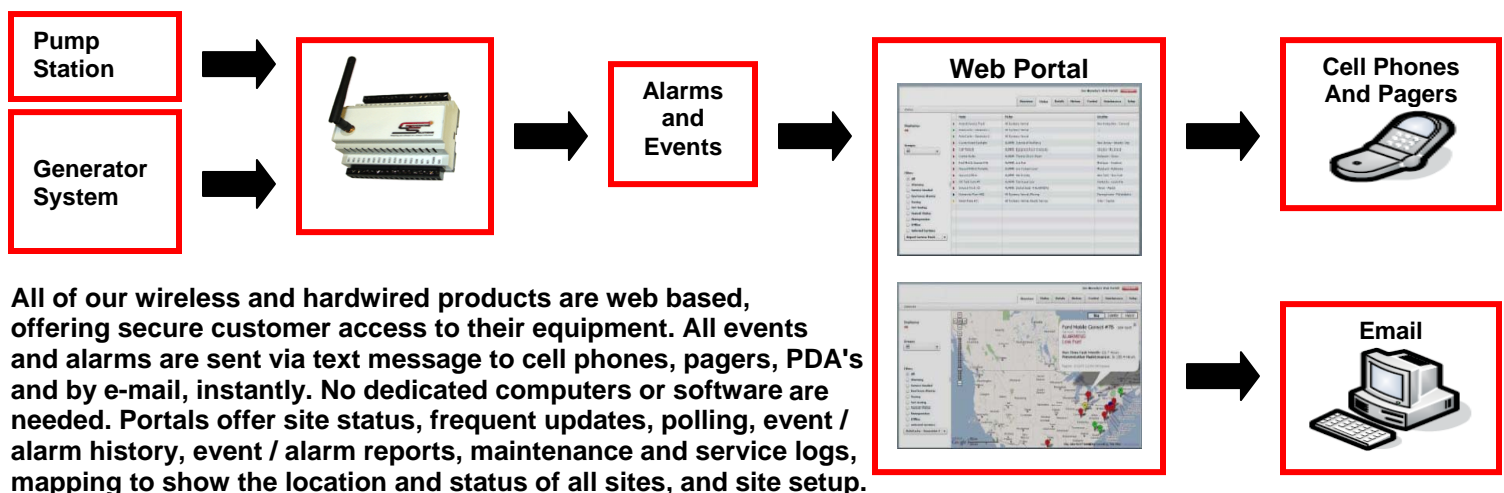
Monitor the critical aspects of your generator systems and Pump stations, 24/7.

Dramatically increase the reliability of your remote equipment.

If you are tired of not knowing the status of your generator systems, pump stations and other remotely located critical equipment, here's your answer. A&P Electric Service, Inc. offers a web-based monitoring system, loaded with features and benefits at a cost far below the competition.

## Here's how it works:

The monitoring system is wired to normally open or closed contacts in the system that closes or opens when an event or alarm happens. The RTU picks up the signal, makes contact with the system server through a variety of available communications means; the server has been programmed to send a message to recipient's based on the individual input it received. It then sends it's programmed message accordingly.



## Typical Generator Monitoring

- Utility Power Failure
- Generator Running
- Transfer Switch in Emergency Position
- Pre – High Engine Temperature
- Pre – Low Oil Pressure
- Overspeed, Overcrank
- Low Engine Temperature
- Common Alarm
- Fault Shutdown
- Low/High Battery Voltage
- Low Fuel Level

## Typical Pump Station Monitoring

- Power Failure Alarm
- Low Level Alarm
- High Level Alarm
- Wet Well Level and Flow
- Pump Run Time Data Logging
- Water Pressure and Flow

Updates site status/information every 15 Minutes

## System Features

- Web-based, hardwired and wireless capable - No dedicated computers or software required
- Access to site/equipment from anywhere: home, office, hotel, etc.
- Secure web-portal requiring user name and password
- DC power supply keeps system up during power outages
- Multiple digital inputs, dry contacts, NO or NC
- Multiple analog inputs, 4 to 20 ma, 0 to 5 vdc
- controlled outputs for remote starting/stopping or turning devices On/Off
- Continuous diagnostics, 24 hours a day, 7 days a week
- Immediate notification of alarms and events
- Daily status updates of each site by email and/or text
- Active mapping feature shows location and current status of all sites on one map
- History file captures all events and alarms, date and time stamped
- Service and maintenance log to track all work or repairs performed on equipment
- Web-based configuration and description for each alarm/event
- Alarms/events sent by text message to pagers, cell phones and email
- Records all events in an event statistics log
- Individualized event messaging
- Connectivity through Ethernet, Cellular digital control channel and Satellite
- Generates reports from history and event statistics file
- Capable of monitoring anything

## System Benefits

- No more expensive and un-reliable auto dialers and modems required
- No more expensive SCADA systems to purchase or maintain
- Use as a troubleshooting tool to catch problems before equipment fails
- Allows your field technicians to work more efficiently and productive
- Reduces labor and travel cost

## Our Most Popular Models



### GS1000 (Wireless or Ethernet Capable)

- 16 inputs, configurable for analog, dry or discrete contact inputs
- Programmable functions for alarming and data logging
- 2 pulse discrete outputs
- 4 control outputs
- Location mapping feature



### GS300 (Digital/Cellular Monitoring Device)

- 14 Digital Inputs
- 3 Analog Inputs
- 1 Relay Output
- Connected 24/7/365

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