

FleetSentry-LITE

Featuring e-Fuel™ and optional Tru-Batt™ technology!

Onsite Backup Generator Management Solution

Ayantra - a leading developer of remote asset management products - has created a solution for managing Onsite Backup Generators. Featuring Ayantra's unique "Tru-Batt™" architecture, the FleetSentry-LITE solution reports key information about each generator - including its calculated Fuel Levels, and the optional capability to report the "true" battery voltage level measured without assistance from the battery charger.

The Challenge:

Backup generators must be carefully monitored to ensure that they will perform when needed. An effective monitoring solution should report the following:

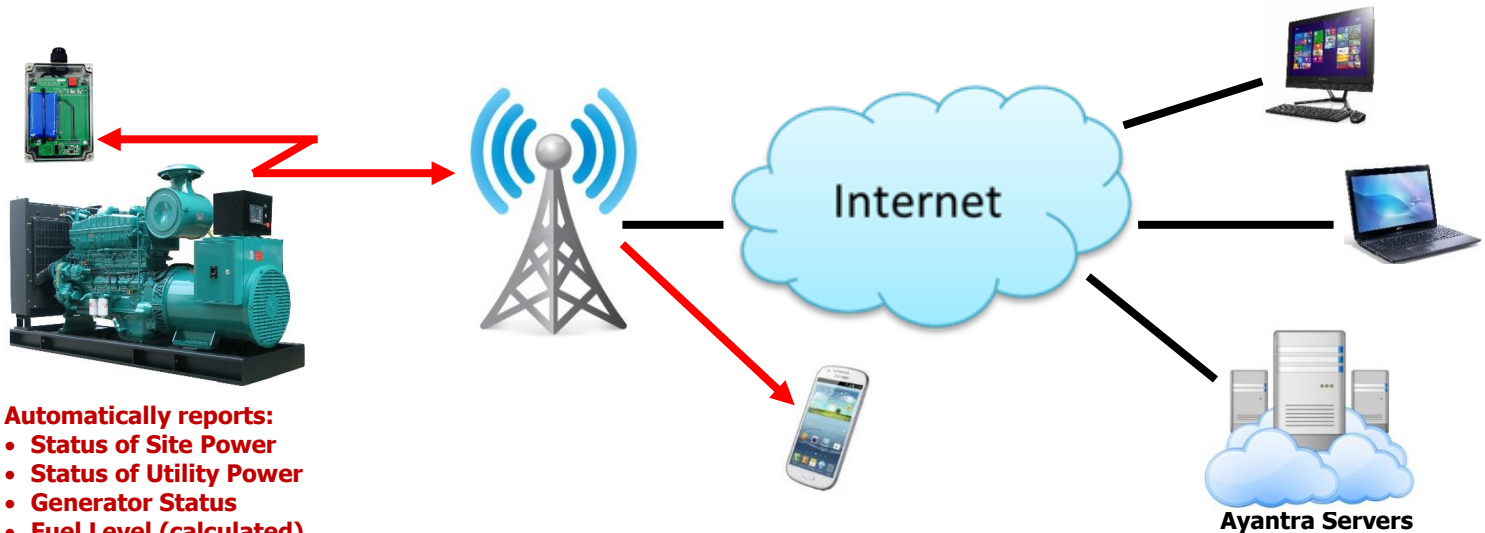
- Availability of Site Power
- Availability of Utility Power
- Generator Status - either "Stopped" or "Running in Exercise Mode" or "Running in Outage Mode"
- Faults
- Fuel Level
- Battery Level (including the option to report the "true" battery voltage without assistance from the battery charger)



In addition, an effective generator management solution should be easy to install, easy to use, and attractively priced.

The Solution:




FleetSentry-LITE is a web-based wireless monitoring system for managing onsite backup generators. FleetSentry-LITE can support any make or model of generator, and it is ideal for managing hybrid fleets. **With the average cost of a truck roll @ \$75 or more, remote generator monitoring starts to pay for itself right away.**



Automatically reports:

- **Status of Site Power**
- **Status of Utility Power**
- **Generator Status**
- **Fuel Level (calculated)**
- **True Voltage Level (without the battery charger)**
- **Faults**
- **Confirmation that the generator has exercised properly**

The total solution consists of:

-  **A FleetSentry-LITE monitoring unit** installed on the generator
-  **Ayantra-provided wireless messaging services**
-  **An Ayantra-provided website** to deliver information about each monitored generator

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Key Features:

- CAPABLE OF SUPPORTING ANY MAKE OR MODEL OF GENERATOR**, and ideal for supporting hybrid fleets.
- SENDS DAILY UPDATES plus ACTIVITY-BASED UPDATES:** Each FleetSentry-LITE monitoring unit sends a regularly-scheduled update each day, plus activity-based updates as events occur.
- AUTOMATICALLY REPORTS ESSENTIAL INFORMATION:**
 - Availability of Site Power**
 - Availability of Utility Power**
 - Generator Status** (Stopped - or - Running in Exercise Mode - or - Running in Outage Mode)
 - Generator Faults**
 - Fuel Level** (calculated)
 - Battery Level** (including the optional Tru-Batt™ technology to enable each unit to report the generator's battery level, as measured without assistance from the battery charger)
- FUEL LEVEL:** the website displays each generator's calculated fuel level, based on engine run-times.
- BATTERY REPORTS / BATTERY ALARMS:** Ayantra's optional "Tru-Batt" technology enables each monitoring unit to report the generator's battery voltage level as measured with assistance from the battery charger. In addition, FleetSentry-LITE can also send real-time Alert Notifications if any battery problems occur.
- REAL-TIME FAULT REPORTS AND ALERT NOTIFICATIONS:** The FleetSentry-LITE monitoring unit features two user-configurable digital inputs to report Faults, such as "Common Alarm" and "Low Fuel." Each Fault event can trigger real-time Alert Notifications sent as text messages and/or as email messages directed to specific recipients.
- VERIFY EXERCISE EVENTS:** FleetSentry-LITE automatically reports if a generator has failed to run for at least five minutes during the specified exercise interval, and can even send Alert Notifications for "Failure to Run."
- MAINTENANCE REMINDERS:** FleetSentry-LITE can send "Service Due" reminders as the generator approaches its service interval. Service intervals are user-configurable by Date and/or by Engine Run-Hours. The "Service Due" reminders can be sent as text and/or as email messages to specific recipients.
- ENGINE ON / OFF UPDATES:** The FleetSentry-LITE monitoring unit automatically reports each time the generator is turned ON and OFF. Each "Engine ON" event can trigger an Alert Notification sent as a text and/or email message.
- BACKUP BATTERY:** An internal backup battery enables the unit to continue operating even if the main battery fails.
- REAL-TIME UPDATES:** Authorized users can collect up-to-the minute updates from any machine, at any time.
- MANAGEMENT REPORTS:** FleetSentry-LITE produces detailed utilization reports for facilities management purposes, and for compliance with state and local emissions reporting requirements.

Hardware Specifications:

❖ Physical:	5.00" x 3.50" x 1.55"
❖ Power:	8 - 32 volts DC
❖ Power Draw:	
Active:	65 mA (typ) @ 12V
PowerSave:	40 mA (typ) @ 12V
❖ Built-in backup battery	
❖ Environment:	
Monitoring unit - Operating:	-32°C → +60°C
Monitoring unit - Storage:	-45°C → +85°C
❖ Humidity:	0 - 95 RH @ 40C
❖ I/O Ports:	
Input Ports:	5 inputs (2 user-configurable)
Output Ports:	1 (not configurable)



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Note: this product incorporates unique Patented and Patent-Pending technologies developed by Ayantra
 Specifications subject to change OBL- ver 3.2 (Nov 2017)