

FleetGen Generator Management Solution

Ayantra - a leading developer of remote asset management products - has created a solution tailored for managing generators.

The Challenge:

Generators must be monitored to ensure optimal performance. Portable generators are particularly difficult to monitor, since they are frequently moved. Key challenges include:

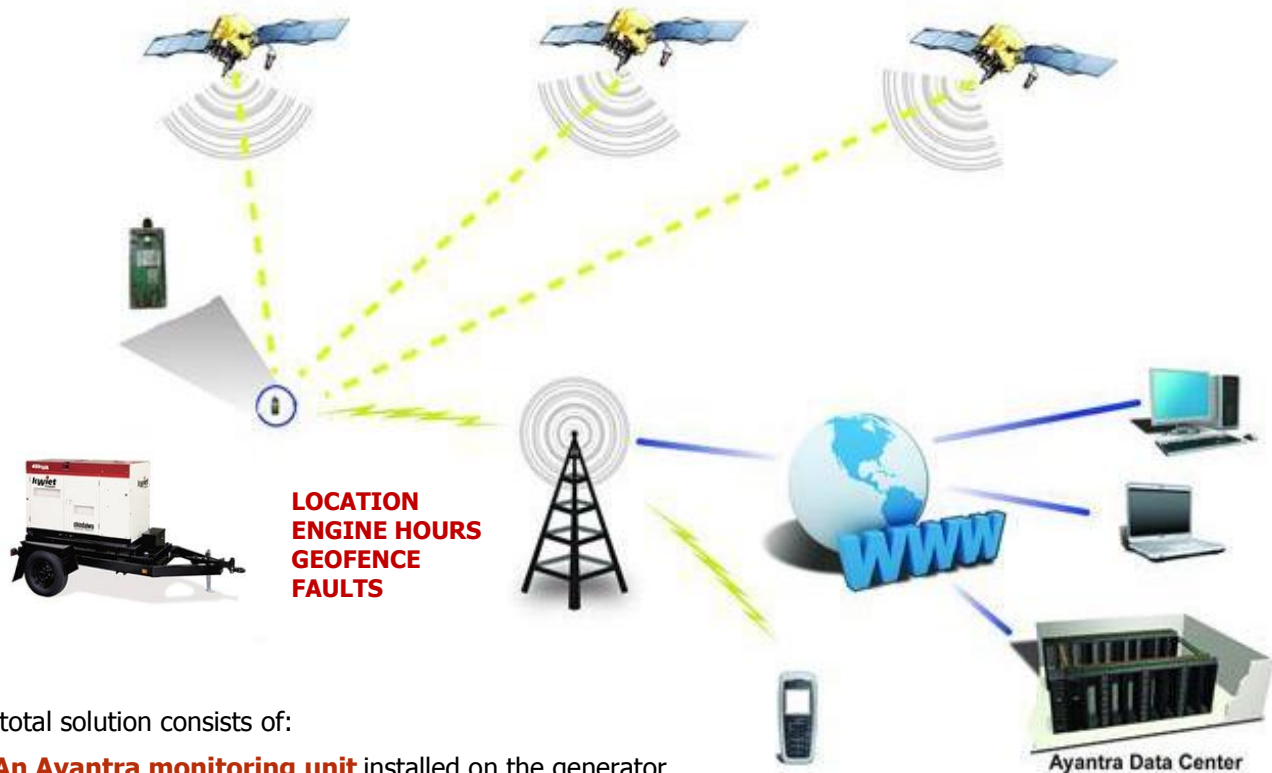
- Tracking each generator's Location
- Logging each generator's Engine Run-Hours to ensure timely maintenance services
- Detecting Faults and responding effectively to each Fault event
- Maintaining Usage Logs to satisfy regulatory agencies
(CARB, AQMD, and other agencies may require detailed reports of each machine's Test Hours - Backup Hours - Total Engine Hours)






Monitoring remote generators is a difficult task. Ayantra can help.

The Solution:

FleetGen is a web-based wireless monitoring solution for managing generators. FleetGen can manage any make or model of generator, and it easily supports hybrid fleets. **With the average cost of a truck roll @ \$75 or more, remote generator monitoring starts to pay for itself right away.**



The total solution consists of:

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

Ayantra, Inc. 47873 Fremont Blvd. Fremont, CA 94538 Ph: 510-623-7526

www.ayantra.com

Note: this product incorporates unique Patented and Patent-Pending technologies developed by Ayantra
Specifications subject to change

GEN - ver 3.2 (May 2010)

FleetGen Generator Management Solution

Key Features:

- ☞ **CAPABLE OF SUPPORTING ANY MAKE OR MODEL OF GENERATOR**, including hybrid fleets
- ☞ **AUTOMATICALLY REPORTS ESSENTIAL INFORMATION:** FleetGen automatically reports each generator's:
 - ☞ **LOCATION**
 - ☞ **ENGINE RUN-HOURS**
 - ☞ **STATUS** (Running or Not Running)
 - ☞ **CONDITION** (Faults or No Faults)
 - ☞ **BATTERY LEVEL**
- ☞ **SECURITY FEATURES - "GEOFENCE" and "CURFEW":** FleetGen can report if the generator is moved from its proper location, or if is utilized during an improper time of day or night.
- ☞ **AQMD REPORTS:** FleetGen provides utilization reports to comply with California AQMD reporting requirements (similar reporting capabilities are available for other states)
- ☞ **REAL-TIME FAULT REPORTS AND ALERT NOTIFICATIONS:** Each FleetGen monitoring unit includes five user-configurable Inputs to report Faults. Each Fault event can trigger real-time Alert Notifications sent as text messages and/or as email messages directed to specific recipients. Typical examples include: **General Fault / Common Alarm; Low Fuel; Engine Temperature; Oil Pressure; Engine Overcrank; Engine Overspeed**
- ☞ **REMOTE ENERGIZE:** Authorized users can use the FleetGen website to remotely Start and/or Stop any monitored generator. Two forms of operation are supported:
 - ❖ Manual Start / Stop: users can command the generator to Start and Stop upon demand
 - ❖ Automatic Start / Stop: users can configure the website to automatically Start and Stop the generator according to a pre-defined schedule
- ☞ **MAINTENANCE REMINDERS:** FleetGen can send "Service Due" reminders as each machine approaches its service interval. Service intervals are user-configurable, and each reminder can be directed to specific recipients.
- ☞ **LOW BATTERY and BATTERY DISCONNECT ALARMS:** FleetGen can send Alert Notifications if the battery goes low or is disconnected.
- ☞ **ENGINE ON / OFF UPDATES:** FleetGen automatically reports each time the generator is turned ON and OFF.
- ☞ **REAL-TIME UPDATES:** Authorized users can collect up-to-the minute updates from any machine, at any time
- ☞ **DATA EXPORT:** The database information can be exported upon demand.

Hardware Specifications:

- ❖ Physical: 4.75" x 2.60" x 1.40"
- ❖ Power: 8 - 32 volts DC
- ❖ Power Draw:
 - Active: 75 mA (typ) @ 12V
 - PowerSave: 25 mA (typ) @ 12V
- ❖ Built-in back-up battery
- ❖ Environment:
 - Monitoring unit - Operating: -20°C → +60°C
 - Monitoring unit - Storage: -45°C → +85°C
- ❖ Humidity: 0 - 95 RH @ 40C
- ❖ I/O Ports:
 - Input Ports: 6 Inputs (5 user-configurable)
 - Output Ports: 2 Outputs (both used for Remote Start)



Ordering Information: Part Number: GEN-00562-00

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