

## FleetGear

# Portable Powered Equipment Management Solution

Ayantra - a leading developer of remote asset management products - has created a solution tailored for managing portable powered equipment, such as welders, concrete pumps, or any trailer-mounted machine.

### The Challenge:

All powered machines must be monitored to ensure timely service and to achieve optimal performance. Portable assets are particularly difficult to monitor, since they are frequently moved. Key challenges include:

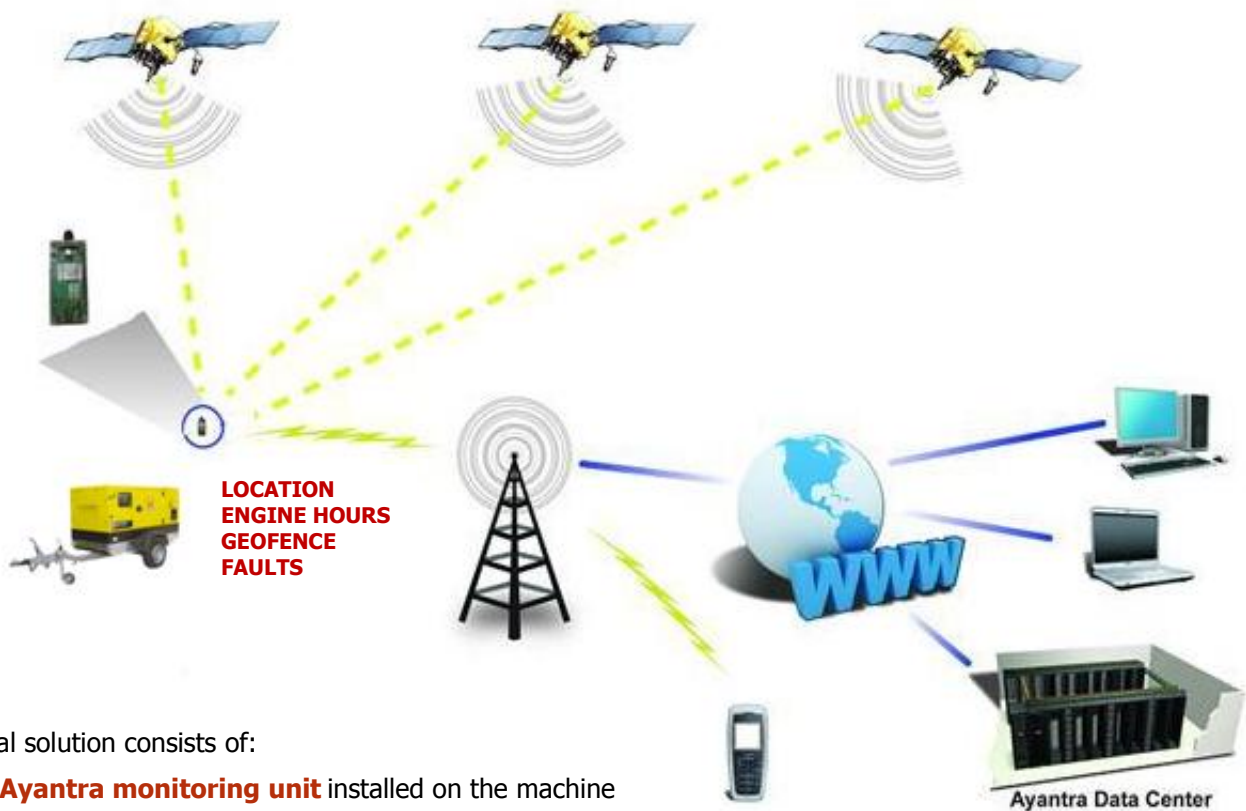
- Tracking each asset's Location
- Logging each asset's Engine Run-Hours to ensure timely maintenance services
- Detecting Faults and responding effectively to each Fault event
- Maintaining Usage Logs to satisfy regulatory agencies

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






### The Solution:

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



The total solution consists of:

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

# FleetGear

## Portable Powered Equipment Management Solution

### Key Features:

- ☞ **CAPABLE OF SUPPORTING ANY MAKE OR MODEL OF PORTABLE POWERED MACHINE**, even hybrid fleets
- ☞ **DAILY UPDATES** - Each FleetGear unit automatically issues a daily update.
- ☞ **ON-DEMAND UPDATES** - Authorized users can “ping” any remote unit to collect an up-to-the-minute update at any time.
- ☞ **UPDATES PROVIDE ESSENTIAL INFORMATION:** Each update provides the following information:
  - ☞ **LOCATION**
  - ☞ **CURRENT ENGINE RUN-HOURS**
  - ☞ **STATUS** (Running or Not Running)
  - ☞ **CONDITION** (Faults or No Faults)
  - ☞ **BATTERY LEVEL**
- ☞ **“GEOFENCE” FEATURE:** FleetGear can report if the machine is moved from its proper location.
- ☞ **CARB REPORTS:** FleetGear provides utilization reports to comply with California Air Resources Board (CARB) reporting requirements (similar reporting capabilities are available for other states).
- ☞ **REAL-TIME FAULT REPORTS AND ALERT NOTIFICATIONS:** Each FleetGear monitoring unit includes two user-configurable Input 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 of the types of Faults that can be reported include: **General Fault/Common Alarm; Low Fuel; Engine Temperature; or Oil Pressure.**
- ☞ **MAINTENANCE REMINDERS:** FleetGear can send “Service Due” reminders as each machine approaches its service interval. Service intervals are user-configurable for each machine, and each reminder can be directed to specific recipients.
- ☞ **LOW BATTERY and BATTERY DISCONNECT ALARMS:** FleetGear can send Alert Notifications if the battery goes low or is disconnected.
- ☞ **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:

❖ NEMA-4 Outdoor-rated case	4.75" x 2.60" x 1.40"
❖ Power	8 – 32 VDC operation
❖ Power Draw:	
Active Mode	75mA @ 12V (typical)
PowerSave Mode	25mA @ 12V (typical)
❖ Built-in back-up battery	
❖ Environment:	
Operating:	-20°C → +60°C
Storage	-45°C → +85°C
❖ Humidity	0 - 90 RH @ 40C



**Ordering Information:**                      **Part Number: PPE-00030-00**

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

[www.ayantra.com](http://www.ayantra.com)

*Note: this product incorporates unique Patented and Patent-Pending technologies developed by Ayantra*  
 Specifications subject to change PPE - ver 2.4 (May 2010)