

## FleetQuip Heavy Equipment Management Solution

Ayantra - a leading developer of remote asset management solutions - has created a solution tailored for managing Heavy Equipment.

### The Challenge:

Fleet managers know that tracking each machine and collecting its utilization information is critical to ensure proper maintenance. Key objectives include:

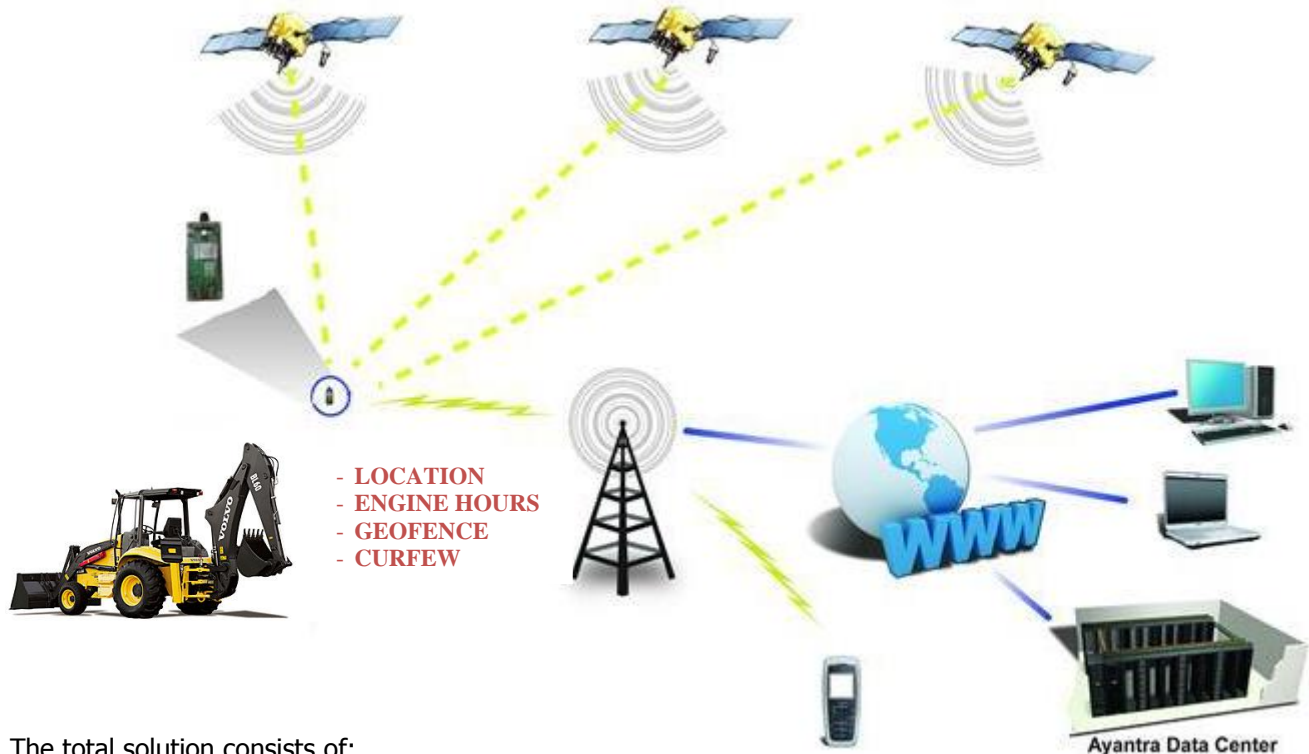
- Tracking each machine's Location
- Logging each machine's Engine Run Hours to ensure timely maintenance services
- Protecting machines from theft and misuse



Managing a fleet of heavy equipment is a difficult task. Ayantra can help.

### The Solution:

Ayantra's FleetQuip is a web-based wireless monitoring solution for managing Heavy Equipment. It can manage any make or model of machine, and supports hybrid fleets. **With the average cost of a truck roll @ \$75 or more, remote equipment monitoring starts to pay for itself right away.**



The total solution consists of:

- ❖ **An Ayantra monitoring unit** installed inside or on the machine
- ❖ **Ayantra-provided wireless messaging services**
- ❖ **An Ayantra-provided website** to deliver Location Reports, Maintenance Reminders, Asset Utilization Reports, History Logs, and more.

# FleetQuip

## Heavy Equipment Management Solution

### Key Features:

- ❖ **ENGINE RUN-HOURS:** FleetQuip reports each time the machine's engine is turned ON or OFF. Key advantages include:
  - ❖ **Service intervals** – timely maintenance ensures warranty compliance and helps minimize costly breakdowns
  - ❖ **Reductions in manpower** – fleet managers can eliminate unnecessary trips to collect hour-meter readings
  - ❖ **Increased efficiency** – usage reports enable fleet managers to optimize utilization
  - ❖ **Improved accuracy** – automated Engine Run-Hour updates eliminate reporting errors
- ❖ **UTILIZATION REPORTS** and **JOBSITE UTILIZATION REPORTS:** FleetQuip automatically reports each machine's total utilization, and also reports each machine's utilization by Jobsite.
- ❖ **"SERVICE DUE" REMINDERS:** FleetQuip can issue "Service Due" reminders as each machine approaches its service interval.
- ❖ **ALERT NOTIFICATIONS:** FleetQuip can send real-time Alert Notifications in the form of text messages and/or as email messages. Alert Notifications are available for:
  - ❖ **Curfew violation** – users can specify a nightly "curfew" for each machine. If the machine is used during a prohibited time period, FleetQuip will immediately report a Curfew Violation.
  - ❖ **GeoFence violation** – users can specify a boundary around any machine. If the machine moves beyond the boundary, FleetQuip will immediately report a GeoFence Violation.
  - ❖ **Low Battery** – the monitoring unit will monitor the machine's battery level, and will issue a Low Battery Alert Notification if the battery weakens.
  - ❖ **Battery Tamper** - the monitoring unit can send a Battery Tamper Alert if the main battery is disconnected.
  - ❖ **Maintenance Due** – users can specify maintenance intervals for each machine, and be notified when service is due.
- ❖ **LIVE TRACK:** Users can command the system to automatically track any asset for a one-hour period, providing location reports at five-minute intervals and displaying the machine's position on a map.
- ❖ **POWERSAVE MODE:** When the engine is OFF, the monitoring unit will enter its PowerSave mode to reduce power consumption. All alerts and regularly-scheduled reports will continue while the unit is in PowerSave mode.
- ❖ **BACKUP BATTERY:** A built-in backup battery enables the monitoring unit to continue operation if the main battery is disconnected. The unit can also issue a Battery Tamper Alert Notification if the battery is disconnected.
- ❖ **REAL-TIME UPDATES:** Authorized users can collect up-to-the minute updates from any machine, at any time.

### 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: HEQ-02530-00**

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*Note: this product incorporates unique Patented and Patent-Pending technologies developed by Ayantra*  
 Specifications subject to change *HEQ - rev 3.2 (May 2010)*