

FleetCrane Truck Mounted Crane Management Solution

Ayantra - a leading developer of remote asset management solutions - has created a solution for managing truck mounted cranes.

The Challenge:

Truck mounted cranes often move over a wide geographic area. Fleet managers need to know the location and status of each vehicle in order to:

- ❖ manage field operations
- ❖ schedule timely maintenance services
- ❖ support Billing and Invoicing operations

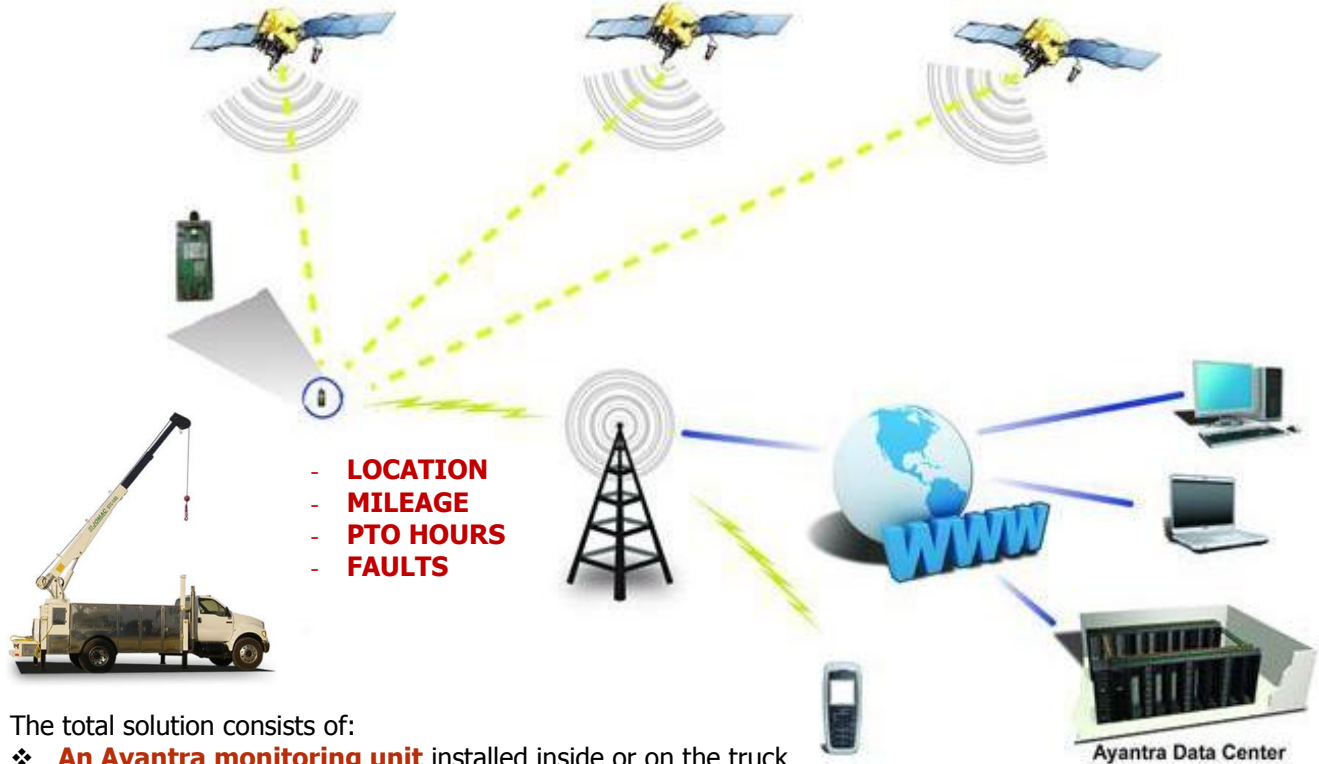
Unfortunately, present methods of collecting location and usage information from these geographically-dispersed vehicles are typically manual, time-consuming, expensive, and often error-prone.



Managing a fleet of truck-mounted cranes is a difficult task. Ayantra can help.

The Solution:

Ayantra's FleetCrane is a web-based wireless solution for managing Truck Mounted Cranes. It can manage any make or model of crane, and easily supports hybrid fleets.



The total solution consists of:

- ❖ **An Ayantra monitoring unit** installed inside or on the truck
- ❖ **An Ayantra-provided website** to deliver location reports, engine run-hour updates, maintenance reminders, asset utilization information, asset history logs, and more

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FleetCrane

Truck Mounted Crane Management Solution

Key Features

- ❏ **LOCATION and TRACKING:** The FleetCrane monitoring unit reports each time the vehicle's engine is turned ON and OFF. It also sends Tracking Reports at regularly-scheduled, user-selectable intervals whenever the vehicle's engine is ON. Each report includes the vehicle's Location, Speed, Mileage, Battery Level, and accumulated Power Take Off (PTO) hours.
- ❏ **ENGINE RUN-HOURS:** The FleetCrane monitoring automatically reports each time the crane's engine is turned ON or OFF. The website collects the information from the remote units, and automatically displays the up-to-date Engine Run-Hours for each crane. Key benefits include:
 - ❖ **Service intervals** – Engine Run-Hour info enables timely maintenance for each machine
 - ❖ **Reductions in manpower** – eliminate the requirement to manually collect hour-meter readings
 - ❖ **Increased efficiency** – usage reports enable fleet managers to optimize utilization
 - ❖ **Improved accuracy** – automated data collection eliminates reporting errors
- ❏ **"SERVICE DUE" REMINDERS:** FleetCrane can issue "Service Due" reminders based upon the vehicle Mileage, and/or the crane's Engine Run-Hours.
- ❏ **FAULTS:** The FleetCrane monitoring unit includes four user-configurable inputs to report Fault events.
- ❏ **ALERT NOTIFICATIONS:** FleetCrane can issue real-time Alert Notifications sent as text messages and/or as email messages. Alert Notifications are available for:
 - ❖ **Faults** - users can access the website to specify up to four different types of Fault events, and receive Alert Notifications when Faults occur.
 - ❖ **Speeding Violation** - users can specify a "Speed Limit" for each vehicle, and be notified if it is exceeded.
 - ❖ **Curfew Violation** – users can define a "curfew" for each truck. If the truck is used during the prohibited "curfew" period, FleetLift will immediately report a Curfew Violation.
 - ❖ **GeoFence Violation** – users can define a virtual boundary - called a GeoFence - around any key site. A GeoFence Violation can be reported each time the vehicle approaches or departs from the site.
 - ❖ **Low Battery Notification** – the monitoring unit continually audits the truck's battery level, and can issue a Low Battery Alert Notification if the battery weakens.
 - ❖ **Battery Tamper Notification** - the monitoring unit can send a Battery Tamper Alert Notification if the battery is disconnected.
 - ❖ **Maintenance Due** – users can specify different maintenance intervals for each truck, and receive reminders when service is due.
- ❏ **BACKUP BATTERY:** A built-in backup battery enables the monitoring unit to operate if the main battery is disconnected.
- ❏ **REAL-TIME UPDATES:** Authorized users can collect up-to-the minute updates from any truck, 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
❖ I/O Ports:	
Input Ports	Four Inputs (four user-configurable)
Output Ports	0



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

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