

FleetCrane Rough Terrain Crane Management Solution

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

The Challenge:

Fleet managers know that it is critical to track the utilization of each rough terrain crane (RTC) in order to optimize efficiency. Key objectives include:

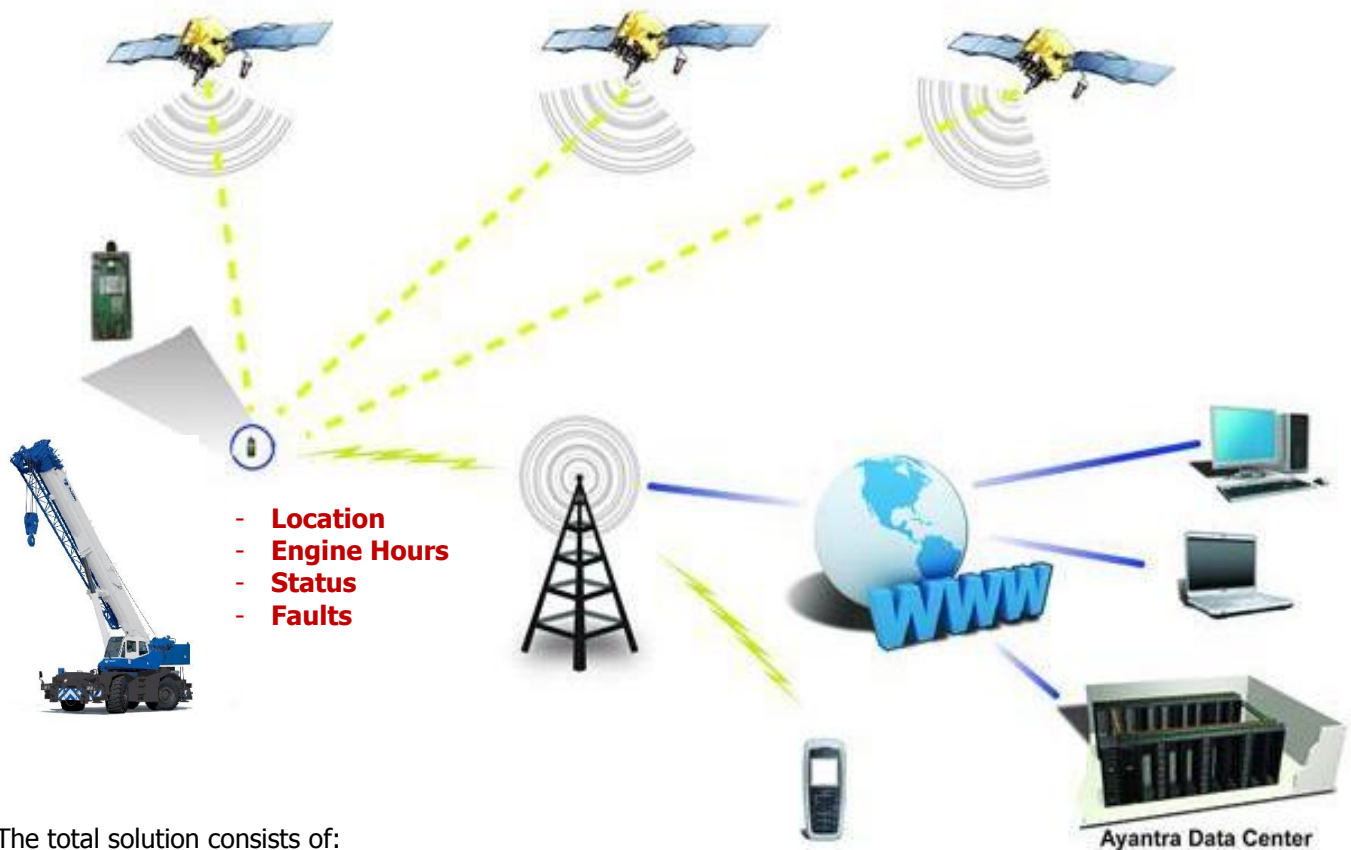
- Tracking each RTC's location
- Logging each RTC's engine hours to ensure timely maintenance services
- Recording utilization by Jobsite to enforce user charge-backs.

Managing a fleet of rough terrain cranes is a difficult task. Ayantra can help.



The Solution:

Ayantra's FleetCrane is a web-based wireless monitoring solution for managing Rough Terrain Cranes. It can manage any make or model of RTC, and easily 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, engine run-hour updates, maintenance reminders, asset utilization information, asset history logs, and more.

Ayantra, Inc.

47873 Fremont Blvd.

Fremont, CA 94538

510-623-7526

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

RTC - ver 3.5 (May 2010)

FleetCrane

Rough Terrain Crane Management Solution

Key Features

- ❖ **ENGINE RUN-HOURS:** FleetCrane reports each time the crane is powered ON or OFF, and continually monitors Engine Run-Hours. Key advantages include:
 - ❖ **Service intervals** – Timely maintenance ensures warranty compliance and helps minimize breakdowns
 - ❖ **Reductions in man-hours** – eliminate the requirement to manually collect hour-meter readings
 - ❖ **Increased efficiency** – usage reports enable fleet managers to optimize utilization
 - ❖ **Improved accuracy** – automated Engine Run-Hours updates eliminate reporting errors
- ❖ **"SERVICE DUE" REMINDERS:** FleetCrane can issue "Service Due" reminders as each machine approaches its service interval.
- ❖ **UTILIZATION REPORTS** and **JOBSITE UTILIZATION REPORTS:** FleetCrane automatically reports each RTC's total utilization, and can also report each machine's utilization by Jobsite.
- ❖ **FAULTS:** The monitoring unit includes five user-configurable input ports to report any five types of Faults.
- ❖ **ALERT NOTIFICATIONS:** FleetCrane can issue real-time Alert Notifications sent as text messages and/or as email messages. Alert Notifications are available for:
 - ❖ **Curfew Violation** – users can define a "curfew" for each RTC. If the machine is used during a prohibited time period, FleetCrane will immediately report a Curfew Violation.
 - ❖ **GeoFence Violation** – users can specify a boundary around any machine. If the machine moves beyond the boundary, FleetCrane will immediately report a GeoFence Violation.
 - ❖ **Low Battery Notification** – the monitoring unit continually monitors the RTC'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 different maintenance intervals for each machine, and receive reminders when service is due.
- ❖ **LIVE TRACK:** users can command the monitoring unit to automatically track its RTC 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 its power consumption. All Alerts and regularly-scheduled reports will continue while the unit is in its PowerSave mode.
- ❖ **BACKUP BATTERY:** A built-in backup battery enables the unit to continue to operate if the main battery is disconnected.
- ❖ **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
❖ I/O Ports	
Input Ports	6 (five user-configurable)
Output Ports	0



Ordering Information:

Part Number: RTC-04060-00

Ayantra, Inc.

47873 Fremont Blvd.

Fremont, CA 94538

510-623-7526

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

RTC - ver 3.5 (May 2010)