

FleetRSM Solution for Managing Remote Sites

Ayantra - a leading developer of remote asset management solutions - has created a solution for managing unattended remote sites.

The Challenge:

Remote facilities such as cell towers and pump stations are typically unattended and distributed over a wide geographic area. Facilities managers must be immediately informed if any critical events occur, including:

- Loss of power
- Equipment failure
- Intrusion and/or equipment theft

Managing an array of remote sites is a difficult task. Ayantra can help.



The Solution:

FleetRSM is a web-based, wireless solution for managing Remote Sites. It continually monitors the availability of main power at the remote site, and offers six user-configurable digital inputs for reporting critical events. Alert Notifications are issued in real-time and can be delivered as text messages and/or email messages. FleetRSM even includes one digital output to provide Remote Start / Stop capabilities.



The FleetRSM solution consists of:

- ❖ **An Ayantra monitoring unit** installed at the remote site
- ❖ **Ayantra-provided wireless communications** to/from each remote unit
- ❖ **An Ayantra-provided website** to enable managers collect Status Reports, specify Alert Notifications, send Remote Commands, and more.

Ayantra, Inc.

47873 Fremont Blvd.

Fremont, CA 94538

510-623-7652

www.ayantra.com

FleetRSM Solution for Managing Remote Sites

Features:

- ❖ **POWER MONITORING:** Each FleetRSM monitoring unit continually checks main power and immediately reports Loss of Power events as they occur.
- ❖ **DIGITAL INPUTS:** Each FleetRSM monitoring unit provides six user-configurable digital inputs. Each input can be configured to report any type of Fault condition or other type of event. Authorized users can access the website to define each input.
- ❖ **DIGITAL OUTPUT:** Each FleetRSM monitoring also includes one digital output. The digital output can be used to drive a relay, which in turn can be used to command onsite equipment such as a generator or a pump. The end result is that FleetRSM can provide a Remote Start / Stop capability for managing certain types of remote onsite equipment.
- ❖ **AUTOMATIC REPORTING:** Each FleetRSM monitoring unit sends a Daily Heartbeat message to report the status of its remote site. The regularly-scheduled Daily Heartbeat messages are also supplemented with real-time updates which are issued immediately upon detection of any critical event.
- ❖ **REAL-TIME ALERT NOTIFICATIONS:** Each FleetRSM monitoring unit sends real-time updates upon detecting Fault events. Authorized users can specify up to eight recipients for each type of Alert Notification. The Alert Notifications can be delivered as text messages and/or as email messages.
- ❖ **REAL-TIME UPDATES:** Authorized users can access the website to "ping" any remote monitoring unit at any time to collect an up-to-the-minute status update.
- ❖ **HISTORY LOG:** The data in the FleetRSM database is retained for twelve months. The data can also be exported at any time.
- ❖ **BACKUP BATTERY:** The FleetRSM monitoring includes an integrated backup battery to enable it to immediately report a Loss of Power event, and to continue operating for a short time even after main power is lost.
- ❖ **WIRELESS COMMUNICATIONS:** FleetRSM operates wirelessly, and can provide remote monitoring capabilities without requiring leased lines or other Telco services at any remote site.

Hardware Specifications:

- | | |
|------------------------------|-----------------------|
| ❖ Physical: | 4.75" x 2.60" x 1.40" |
| ❖ Power: | 8 - 32 volts DC |
| ❖ Power Draw: | 75 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 |
| ❖ Input Ports: | 6 (user-configurable) |
| ❖ Output Ports: | 1 (user-configurable) |

