Typical applications for Tecom Cellular modules
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Counting Copies

TelemeTrac, an automated remote copier meter reading system, uses Cellemetry Data Service to automatically capture and transmit meter information from leased copiers. Automated reporting of meter information can reduce costs by expediting billing cycles, managing inventory of copier supplies and eliminating service calls for meter collection and other services. The terminal attaches easily to virtually any copier, and meter information can be exported directly to billing software. Learn more about Equitrac.

Empowering Cable Television

Wireless Data Concepts' ORION product line offers devices that monitor and report the real-time status of power supplies used by cable television companies. ORION provides cable television companies information about loss or restoration of commercial power, critical voltage and current readings and also alerts them to vandalism or unit disruption. Cable operators depend on these power supplies to ensure regular service to customers. Learn more about Wireless Data Concepts.

Monitoring Waste and Water Systems Municipalities all over the world need a reliable and accurate reporting system for water and waste systems. Maintenance personnel must be able to react quickly to problems and changing conditions. An application from AutoSoft, Inc. uses Cellemetry Data Service to provide rapid response to alarms of water or environmental contamination. . The unit can be completely submerged in water and is only powered on during data transmissions, which helps control costs. AutoSoft has provided the solution many water authorities have been looking for. Click here for more information about AutoSoft.

Automatic Meter Reading for Utilities

The utility industry is undergoing serious competitive changes. Soon, individual households will be able to choose their utility provider from a number of utility companies. Increased competition is causing many utilities to consider new services and ways to reduce operational costs. One way to improve customer convenience, billing and reduce costs is with automatic meter reading.

Automatic meter reading of utility meters is possible with Cellemetry Data Service.

Cellemetry is working with a variety of utility service providers to develop meter reading solutions.

Vending Machine Inventory Control

In the vending industry, soda and snack machines must be manually inventoried and restocked. Typically, the route service person must stop at each machine and conduct a manual inventory count. For large buildings, there may be ten or more soda machines. After all machines have been inventoried, the service person returns to the restocking truck to gather the appropriate amounts of each soda type. Then the sodas are delivered to each machine for restocking.

A vending machine equipped with Cellemetry Data Service can be paged from the soda distributor's office and report its inventory levels. The route person then loads exact restocking quantities. If a machine does not need to be restocked, there's no need to service it. This system can significantly increase route efficiency and reduce vending pilferage.

Wireless Security Alarms

Over 90 percent of all fixed alarm monitoring systems are wireline dependent and vulnerable to service interruption if phone lines are cut. UPLINK Security distributes the DigiCell 1500, a wireless backup for fixed alarm monitoring systems for home and business customers which protects them from service interruption from phone line cuts.

UPLINK Security's DigiCell 1500 digital cellular communicator provides enhanced wireless alarm monitoring and transmissions. The product is marketed to security system dealers who re-market it to home and business owners as secured monitoring. UPLINK routes alarm signals from the local cellular network to any existing central station receivers, providing all the necessary activation and account support services. Many of the nation's leading security dealers have announced distribution agreements for the DigiCell 1500. Learn more about UPLINK.

Improved Railroad Safety

Railroad operators currently use manual reporting systems to detect power outages and equipment malfunctions on railroad crossing signals. Open Cellular Systems' CellularRTU monitoring device, installed at railroad crossing signals, can be paged or can send an automatic alarm to report equipment malfunctions to railroad dispatchers. The ScadaNet network software retrieval system presents status and alarm messages to railroad dispatchers using e-mail, fax, a pager or an Intranet connection. The system provides immediate notification of failed equipment and power outages, thus increasing the effectiveness of railroad signal repair, and reducing the likelihood of accidents. Learn more about OCS.

Package Drop Boxes

Air/ground package carriers can benefit from Cellemetry Data Service by improving customer service and enhancing the speed of delivery. With Cellemetry Service, an overnight package delivery company can monitor its drop box locations. When a package is dropped into one of these boxes or if the box becomes full, the company knows where to dispatch or re-deploy its service people to pick up the package. With this technology, a company can extend service hours for their drop boxes as well as increase their delivery response time.

Temperature Change Alarms

Tropical fruit and flower growers must closely monitor the temperature in their greenhouse or farmland. During the winter, greenhouse operators are especially vulnerable to deep winter freezes and must constantly monitor the temperature to prevent losing their delicate inventory.

Cellemetry Data Service can be used to send alarm messages from a greenhouse to a farmer/grower to alert them of dangerous declining temperatures. In many cases, growers have warm water irrigation systems or another form of back-up heating system that can be turned on when the temperature in the greenhouse reaches the freezing point.

Tracking Trailers

There are between six and eight million detachable trailers in United States, which means there are two to five trailers for every one tractor. Approximately ten percent of these trailers are unaccounted for at any given time. By using Cellemetry Data Service, fleet managers can keep track of the locations of all their trailers from a remote site. Trailers equipped with Cellemetry radios can be polled for latitude/longitude information and be programmed to dial-in when they cross predetermined boundaries such as state borders.

The trailer tracking application allows fleet managers to optimize efficient asset allocation, reduce operating costs, free up operating capital and improve customer service. Dallas-based HighwayMaster Corp. sells and markets the patented HighwayMaster Mobile Communication and Information System in the United States and Canada. Learn more about HighwayMaster.

Keeping Up With Valuable Assets Fleet vehicles such as armored vans, delivery trucks and equipment vans may carry thousands of dollars in inventory in their cargo hulls. Fleet operators need meaningful location information, especially when decisions must be made about mobile asset deployment, productivity, emergency response, regulatory compliance and other similar issues.

AerComTec International, a company headquarted in Aiken, S.C., has developed and easy-to-use reliable and cost-effective way to quickly determine the location of mobile assets using Cellemetry Data Service. The system provides flexible reporting capability which can be programmed to report on command or at a specific time of day. The radio units are compact and easy to install on any type of vehicle. And the AerComTec application makes it easy to access data from laptop or desktop computers or from a dial-up Internet account. Learn more about AerComTec.

Distributing Power by Remote Control

Fisher Pierce, a division of Pacific Scientific, Co., provides SmartLinkTM to electric utilities to optimize power distribution and report faulted circuits on downed power lines.

Currently, most power line short-circuits are reported manually, which results in long service outages and increased service costs. SmartLink alerts utilities to downed power lines. When the alert is received, the local utility knows which lines have gone down and can immediately dispatch repair crews or remotely open and close switches to isolate the fault. This reduces down time and improves customer service for electric utilities.

Additionally, SmartLink enables electric power utilities to remotely control capacitor switch banks and can provide information on voltage consumption from end customers. This allows utilities to optimize power distribution through automation. Learn more about Fisher Pierce.