SievaSync
overview

Sieva Networks

SievaSync – a complete integrated toolkit that integrates access control, inventory management, real time safety alerts, remote sensor data retrieval and real-time monitoring of delivery systems. **SievaSync** seamlessly integrates with vendor ERP systems and is powered by unique and unparalleled capabilities of Sieva's RFID product portfolio that provides the most comprehensive set of RFID products meant to track all the way from a few inches to several thousand miles. By completely automating critical functionality, human errors are mitigated. **SievaSync** provides immediate ROI.

SievaSync Applications

- Office Equipment Inventorying

- Personnel Entry/Exit Auto-Detection and Data Logging

- Monitoring Tool Usage

- Monitoring Parking Lots and Real-time Product Distribution Vehicles

- Temperature (and Other Sensor Data) Monitoring

- Safety Systems for Gas Detection

SievaSync applications

Usage Model	Frequency of Alerts/Verification	System Details	SievaSync Response/Remedial action
Office Equipment Inventorying			
Verification by a technician using a handheld basestation (that is wirelessly linked with SievaSync system to provide instantaneous updates) – this can be done	Can be done every few weeks or months. The entire verification process would take from a few minutes to half an hour for an entire office floor	Locator RFID tags provide position information within the office premises. The hand held basestation correlates the tags attached to office equipment with the locator tags to ensure that the	1. Instantly provides updates of all office equipment and where they are located 2. in case of any office equipment that is misplaced, the system correlates the ID of the equipment with the closest locator tags to provide location information
Fixed basestation network that monitors all equipment in realtime and the system is completely automated	Verification can be done every few minutes	Locator RFID tags provide position information within the office premises. The hand held basestation correlates the tags attached to office equipment with the locator tags to ensure that the	1. Instantly provides updates of all office equipment and where they are located 2. in case of any office equipment that is misplaced, the system correlates the ID of the equipment with the closest locator tags to provide location information
Personnel Entry/Exit Auto Detection and Logging			
RFID Basestations mounted at entry/exit points to buildings/sensitive locations/industrial environs automatically detect employees as they enter or leave	Detection done in realtime and automatic updates are done via SievaSync software		1. Instantly displays who is an a location currently 2. maintains a history of entries exits of all personnel 3. automatically associates ID's of equipment with people based on the time logged
Monitoring Tools			
All tools retrofitted with passive RFID tags to monitor usage. For more expensive equipment battery assisted passive or even active tags can be used	1. passive tags detected when taken tools are taken out of storage area 2. active tags provide realtime updates anywhere in the facility		1. SievaSync provides an instantaneous and realtime location and status visibility 2. realtime stock and inventory check 3. complete inbound/outbound logistics and complete supply chain visibility. 4. SievaSync provides realtime updates on when inspection and maintenance is due 5. automatically issues alarms when equipment that is past the service date is used

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Usage Model	Frequency of Alerts/Verification	System Details	SievaSync Response/Remedial action
Monitoring Parking Lots with Vehicle Mounted Windshield Tags and Transport Vehicles with SievaFleetTrac			
Passive RFID windshield sticker tags mounted on vehicles are read by overhead basestations mounted at parking lot entry/exit points	All vehicles are monitored are they enter and leave parking lots.	In case of an emergency, it is essential to know who is within the facility.	Parking lot basestations automatically update this information to SievaSync enabling realtime visibility
Transport Vehicles carrying inventory are tracked in realtime with SievaFleetTrac with optional voice and video information	Tags use GPS coordinates to transmit truck location via the cellular network		Truck speed and coordinates are updated by SievaSync. In case of any deviation from planned route or speed violations, instantaneous alerts are provided
Monitoring Temperature in Realtime			
Sieva Long Range tags with temperature monitoring capabilities are mounted at required locations. Additional sensor capabilities include pressure, light detection	Realtime data is logged into SievaSync.		SievaSync ensures that all measured temperature (or sensor parameters) are within limits. In any case of violations, alerts are immediately provided
Safety Systems for Gas Detection			
Sieva Long Range tags with gas detection sensors	Realtime monitoring with instantaneous alerts		1. All data from gas detection systems are automatically logged 2. Any violations result in visual/sound alarms and instantaneous transmittal of information to Emergency Response Teams

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SievaSync application flow diagram

Personnel Entry/Exit Auto Detection and Logging

Office Equipment Inventorying

Monitoring Tools

Safety Systems for Gas Detection

SievaSync Application Layer Gateway

Monitoring Parking Lots and Real-time Product Distribution Vehicles

Temperature Monitoring

Customer ERP System/ Database Management Systems

SievaOilTrac
SievaDeterrance
SievaFleetTrac
SievaPortSecure
SievaPharmaTrac

SievaSync Application Layer Gateway

Business Integration — SAP/Oracle/Siebel

Warehouse & Stores Management

Manufacture & Fabrication

Supply Chain & Logistics Control

Operations & Safety Management

Maintenance, Inspection and Repair