Healthcare organizations are turning to Remote Temperature Monitoring Devices (RTMD) and Real-Time Locator Systems (RTLS) – a technology used to track equipment using an integrated platform that combines Radio Frequency Identification (RFID) digital sensors, software, analytics and system-wide wireless networking, to better manage inventory.

RTMD, RTLS and RFID technologies are increasingly being used to track data on cold chain efficiencies, equipment usage, medicines management as well as asset management. This means a hospital can always have the right medication in storage, in the right quantities all the time. Medical equipment including vaccine fridges getting lost or stolen can largely be a thing of the past. Devices or medication can be fitted with an unobtrusive transmitter, assigned to a particular area in the facility. If the device moves beyond its designated area, an alarm is triggered. Medical personnel can then easily track down the device in question and determine whether it is being moved for cleaning purposes or an actual robbery/theft.
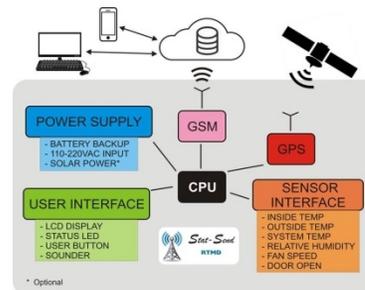
Patient safety

An ecosystem of connected health, hospital assets from medical devices and equipment to tagged disposables, all connected wirelessly to a secure network, is now possible. While the obvious benefit is improved patient safety and efficient, streamlined care, another benefit is in the ability to reduce the rate of theft and misuse through better asset management. Most hospitals using RTLS see a return on investment (ROI) in less than a year.

The benefits of digital sensor technologies like RTLS are clear enough at the micro level. They offer hospitals or any medical and pharmaceutical institutions, cost-effective solutions to problems of theft, misuse and inventory management, along with added benefits to patient safety and staff productivity.

By employing various sensor technologies we are able to provide the following information of your fridge:
- ▶ Ambient Temperature
- ▶ Compartment Temperature
- ▶ Condenser and Evaporator Temperatures
- ▶ Relative Humidity
- ▶ Fan speed
- ▶ Door open/close
- ▶ Power status
- ▶ All Data is USB Downloadable

In summary

The Stat-Send RTMD is unique in that-
- it not only offers you fridge temperature and door open monitoring and alarms/sms notifications but on top of this it has a global sim-card (sim-chip) and also gives the GPS positioning of your asset (fridge). If someone moves your fridge outside your geo-fence parameters a notification will be sent. You can track your asset on your laptop/cell phone day or night as per picture above
- it also has an RFID (radio frequency identity tag) capability for stock control purposes. This will warn you in advance on low stock levels to avoid stock out situations as well as warn you of vaccine expiries.

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