SMART HOSPITAL MONITORING

Skysens Enables Smart Hospital Technology for Broader Monitoring

DESCRIPTION

Skysens provides a wireless IoT network to the hospitals in the simplest and cost-effective way for advanced monitoring for different purposes.

Creating an expandable wireless IoT network, Skysens allows monitoring many variables such as ambient temperature, temperature/flow in the water sources for Legionnaires' disease, tracking hospital assets or metering the energy consumption instantly. Skysens technology analyses all data gathered from different locations and generates instant alarms in case of any failure or exceeding the determined limits.

Skysens monitors all alerts and notifications via its application which also supported by its mobile version and enables predictive maintenance before any risky situations happen. It makes visible previously invisible and suffering problems and prevents possible health problems while enabling data-driven decisions faster.

BENEFITS

In recent years, many institutions are started to use IoT technology for better service quality and easier management. In an extremely sensitive area such as hospitals, improving patient care is the major point to consider. Legionnaires' disease caused by Legionella bacterium, a water-based organism, is a severe form of pneumonia and it is possible to prevent its reproduction by controlling the water temperature. Also, air quality is one of the important things which should be measured in hospitals.

As the precaution, Skysens offers hospital managers a wireless IoT network to which can monitor crucial data in the hospital while monitoring management level data at the same time. Monitoring water sources' temperature, measuring ambient temperature and air quality, tracking hospital assets', monitoring energy, water or gas consumption is so simple and effortless.

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DETAILS

As the network of things company, Skysens implements a complete end-to-end IoT solution for sensing and monitoring 360°. With plug and play Skysens devices' installation on various locations, hospital managers can get the instant alarms in case of any risky events.

Skysens' smart and expandable network provides a wireless network for multiple application in real-time, starting from monitoring critical infrastructure monitoring and remote metering and other third-party IoT applications. For example, with no additional infrastructure costs and the few more Skysens devices, it is possible to monitor parking lots in the hospital.

Skysens IoT devices simply connect to any metering devices and other infrastructure items provides the managerial tools all necessary functions, including the ability to view usage trends and to monitor each item remotely.

Skysens technology is perfect for dense areas due to its highly dynamic management algorithms for Radio Frequency Network.

Skysens system provides real-time end-to-end connectivity management which includes the firmware-over-air update and dynamic speed and frequency management depending on the application types.

It's a selective transmission algorithm and micro-edge processing capability enables Skysens devices to conduct an operation with the minimal transmission which means additional security and optimization both on power consumption and network spectrum.

With its optional 256-bit security layer Skysens provides financial-grade security. Also with the compatibility with global LoRaWAN protocol, Skysens provides global reliability, robustness, and access to the global ecosystem of IoT companies and system integrators.

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HOW IT WORKS

Skysens's technology enables real-time connectivity, monitoring, cost savings, and analytics.

1. For optimization on the area, based devices are installed on the demanded areas - the water pipes, rooms, assets etc.- in order to enable tracking and monitoring.

2. Skysens gateways are installed about one per square mile, or farther if it is a large space. Skysens gateways gather information from these devices and send it to cloud or server on premises.

3. Skysens software is configured to collect all devices' data and track it permanently. This information is stored long-term, handled by a cloud-based or server on-premises application software, and accessed via the web, mobile devices, desktops, and tablets.

4. Gathered information is now visible in real-time and can be monitored in seconds with a smartphone.

5. Over time, data can be analyzed to detect any continuous problems on these variables such as temperature changes or no-flow detection, generate alarms and reduce risks.

SKYSENS TECHNOLOGY

Skysens joined the **LoRa Alliance** in 2015 and leverages Low Power Wide Area Technology to help many institutions to transform smarter facilities.

COST EFFECTIVE

Skysens provides industry-special reliable communication technology designed to eliminate the cost of sim card-based systems and meet industrial needs with the affordable and easiest way.

Also, through its low-power consuming technology, Skysens devices' batteries can last up to 10 years without needing any refill.

PLUG & PLAY

Skysens's wireless devices allow you to connect and control your industry and built an IoT network in minutes!

WIRELESS & EXPANDABLE

Device count and type on the network can be extended without any infrastructural costs in case of any needs.

ADVANCED COMPATIBILITY

Skysens products ensure best global compatibility with global standards but yet with its additional algorithms and security layers provide the best technology. It provides high-integration capability with any third-party applications.

SECURE

Multiple layers of security ensure devices are tracked safely and central management of all devices ensures every piece of hardware on a network is up to date.

Skysens is a **LoRa Alliance** member company.
Learn about Skysens's Technology Platform
www.skysens.io/technology

www.skysens.io

Contact us on hello@skysens.io for more information