ASSET TRACKING

SMART BUSINESS

Skysens's Technology Enables Affordable Asset Tracking in Airports and Seaports

DESCRIPTION

Skysens's state-of-art wireless IoT technology enables easy locating, tracking and monitoring assets including vehicle fleets, on-grooound equipment, trolleys in broader areas such as airports and seaports.

With the Internet of Things (IoT) tracking of assets reduces costs by monitoring and detecting assets' location instantly and take smarter actions in the operational process. In an airport or a seaport, Skysens allows managers a mobile application monitoring all the information required from the assets at work.

Skysens technology consisting of devices, gateways and application is an affordable way to capture, track and manage all the data generated by multiple assets, including mobile ones such as shipment trucks or cargo vehicles.

BENEFITS

With the evolving technology and increased demand on IoT solutions, real-time visibility of the assets, people or properties are being more important especially in some organisations'. Assets play a very important role in airports and seaports and lack of any monitoring system mostly causes operational and management problems.

Skysens's IoT solution for broad areas such as airport and seaport helps you to eliminate these possible risks and manage your business more effectively, without any problems. Also with integrated IT infrastructure approach, the user-friendly application provides you get instant alerts and take precautions immediately.

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SUCCESS STORY

Istanbul Airport, one of the biggest airports in the world is currently being built on 76,5 million square meters to the north of Istanbul, in 35 km distance to the city center. IGA was founded on October 7, 2013, with the purpose of constructing and operating for 25 years Istanbul Airport. Like today, the first phase is completed, and a large part of the airport now serves to approximately 90 million passengers.

As a network of things company, Skysens had successfully implemented a complete end-to-end IoT solution to manage and monitor IGA's entire wireless IoT infrastructure. With plug and play and wireless Skysens devices installation on the trolleys , managers could monitor the location instantly.

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 and manage water, electric or gas consumption.

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 all assets, then tracked and monitored via these devices.

2. Skysens gateways are installed about one per square mile, or farther if it is a large space. Skysens gateways gather information from the 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. The location of the assets is now visible in real-time and can be monitored in seconds with a smartphone with a map view.

5. Over time, data can be analyzed to reduce operating costs.

TECHNOLOGY

Skysens joined the **LoRa Alliance** in 2015 and leverages Low Power Wide Area Technology to help many companies around the world reduce the operating costs.

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 your 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

Contact us on hello@skysens.io for more information

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