

# Haltian

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## All-new Haltian small sensors utilize Wirepas Connectivity

Haltian expands its Internet of Things (IoT) platform with small sensors. The platform consists of the Thingsee router plus the Thingsee POD and TAG sensors. The sensors can be used for tracking and monitoring assets, goods and people in a completely new, and a far more cost-effective manner. The Thingsee router delivers the data collected from the sensors directly to the client's back-end systems via a mobile connection.

"Thanks to its data acquisition capabilities and cost efficiency, we believe that our IoT platform will revolutionize the asset tracking and logistic operations of several businesses." says Haltian CEO Pasi Leipälä.

Many of the current asset tracking and access control systems deliver spot information from pre-determined locations. With Thingsee the location of the goods can be monitored in real time and without interruption within a warehouse or a factory, but also while in transit between sites. Besides the location, the environmental conditions during storage and transport can also be monitored in real-time.

The Thingsee POD and TAG sensors can be used to measure temperature, luminosity, humidity, air pressure and motion. In addition, the sensors can, for example, enable monitoring of magnetic switches in doors and various types of valves. The Thingsee sensors are easy to customize for other measurement needs as well. Thingsee POD is smaller than a golf ball low-power sensor device with an operating life-time of up to several years. Thingsee TAG is a coin-sized version of the POD and is well suited for applications which demand a particularly small size.

## Wirepas Connectivity enables the scale and reliability

The Thingsee platform is now also available with Wirepas Connectivity. Wirepas Connectivity is a decentralized radio communications protocol which can enable networks to scale-up to millions of devices. The high reliability offered by Wirepas Connectivity stems from the fact that each device can make decisions autonomously and, if necessary, can act as a router.

Because of the decentralized, multi-hop architecture of the device network, the distance between sensors and the router can be kilometers. This enables very high geographical coverage with small, low cost, low-power sensors.

"The Internet of Things is a very broad term. We focus particularly on industrial and infrastructure-level applications. We see logistics and asset tracking as one of the fastest growing application areas within the IoT. Haltian is a very valuable addition to our partner network because together we are able to provide customers with advanced, effective solutions that are easier and less costly to deploy.", Wirepas CEO Teppo Hemiä says.

Thingsee POD and TAG prototypes are already available for development projects. Sensors are already used in several pilot projects. Haltian offers a complete IoT platform with sensors and client application, where the sensor data is processed to enhance the company's business operations.

**Additional information:**

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### **Haltian in Brief**

Haltian is a Finnish design and engineering company that brings challenging new wireless and IoT products from initial design to reality within the market. Haltian has a unique and talented team of more than 80 top engineers, who are skilled at taking the most complex ideas and turning them into premium designs. Haltian has also developed Internet of Things platforms under the Thingsee brand. The company was founded in 2012 and is now one of the fastest growing companies in Northern Finland. For more information, visit [www.haltian.com](http://www.haltian.com)

### **Wirepas in Brief**

Wirepas is focused on providing the most reliable, optimized, scalable and easy to use device connectivity for its customers. Wirepas Connectivity is a de-centralized radio communications protocol that can be used in any device, with any radio chip and on any radio band. With Wirepas Connectivity there is no need for traditional repeaters because every wireless device is a smart router of the network. The connected devices form the network - easy as that. Wirepas has its headquarters in Tampere, Finland and offices in Brazil, France, Germany, South Korea and the United States. Things connected – Naturally

[www.wirepas.com](http://www.wirepas.com)