

# Cisco Industrial Asset Vision

## Remote monitoring of assets and facilities helps businesses become safer and more efficient

Cisco Industrial Asset Vision helps you eliminate the digital blind spots caused by a lack of complete visibility into all areas of your operational environment. Many organizations are able to monitor their core business assets but lack total visibility into their operation. For example, food manufacturers may have refrigeration units that are not monitored, increasing the risk of food spoilage. Or they may not have access to accurate humidity measurements in their warehouses and factories, particularly if their operation is spread over a wide geographic area.

Cisco Industrial Asset Vision helps you monitor your assets and facilities to keep them running efficiently. It has all the technology you need, including industrial sensors, gateways, and management – secure, integrated, and ready to go.

The entire solution deploys in minutes using a simple QR code, and scaling is a breeze. As a cloud-based solution for management and visualization, Industrial Asset Vision requires little technical expertise to deploy or use. This reduces the burden on IT and helps operations teams react quickly when issues occur.

It enables you to identify opportunities as well as issues that could impact your operations, worker safety, or revenue. It gives you powerful visibility across your business, by asset and location. You get automated reporting, role-based access and insights, and flexible alerts using email or mobile notifications, all in a single pane of glass.

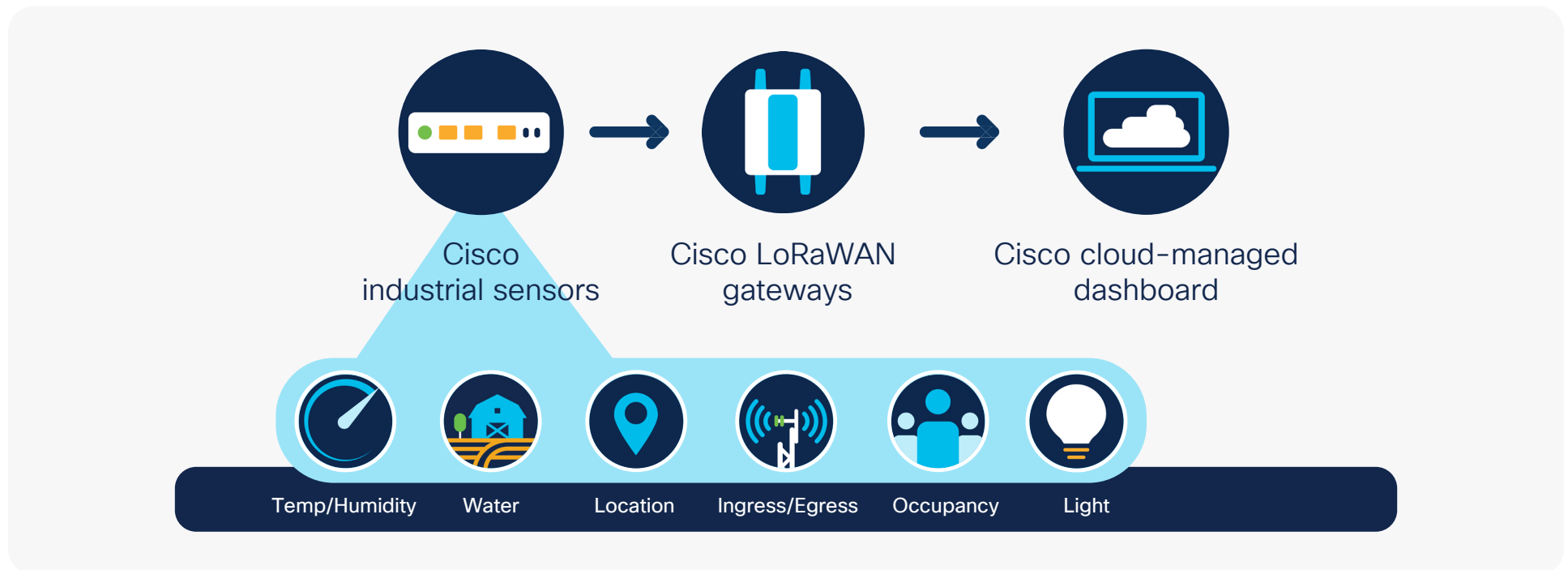
Users can view insights in one easy-to-use dashboard. For example, they can see that the temperature of an asset is outside acceptable values, or that a warehouse door has been left open. The dashboard provides a single view of asset or facility health across all connected industrial sensors. It also provides visibility into the health of related assets and facilities, including the network gateway itself.

**Industrial sensors: Cisco® Industrial Asset Vision, a simple and secure all-in-one cloud-managed industrial sensor solution, offers the following benefits:**

- Prevents unnecessary site visits and manual equipment checks
- Reduces downtime and enables better asset utilization
- Provides operations managers the data needed to support product compliance and worker safety



Figure 1. Cisco Industrial Asset Vision: all you need, ready to go.



## Get a clear picture of how assets are performing, using their telemetry and geolocation data

Today, most asset monitoring and tracking solutions are complex, and composed of separate components from different vendors. This makes it more difficult for operations managers to deploy, scale, and manage these solutions. With multiple dashboards and interfaces, these solutions require more time and resources to identify problems and business-impacting trends. These delays can lead to missed insights and lost opportunities to improve operations. In a word, these solutions are not simple.

Cisco Industrial Asset Vision is a simple, secure, all-in-one, cloud-managed solution for visualizing assets and facility conditions. This turnkey solution enables operations managers to enhance safety and efficiency and improve operational resiliency while protecting investments and lowering costs.

The solution includes a family of industrial sensors that provide telemetry and tracking information for assets and facilities. These sensors are pre-integrated with the Cisco gateway and management dashboard. Their IP65 and IP67 ratings allow the devices to be deployed in outdoor and indoor industrial environments. Field technicians can deploy one or many to monitor a wide variety of conditions, including moisture, temperature, humidity, leak detection, ingress and egress, lighting, occupancy, and asset location. The sensors connect to the Cisco Wireless Gateway for LoRaWAN.

## Monitoring and tracking assets should be simple

Are you tired of stitching together asset monitoring and tracking solutions in the hope that you will get a complete view of your operations? Cisco Industrial Asset Vision brings together operational and IT capabilities for a better understanding of the collective status of a field or remote asset. The simplicity of onboarding remote IoT sensors and gateways, with the backing of Cisco network security and connectivity capabilities, makes this solution IT friendly. The ease of retrieving insights helps operations teams make more timely business decisions. For additional information, visit <https://www.cisco.com/go/iav>.

The gateway supports LoRaWAN for wireless connectivity and, like the sensors, is designed for outdoor and indoor industrial environments. The cost-effective, small-form-factor gateway delivers secure, reliable, long-range connectivity, enabling the use of fewer gateways per solution. With its geolocation capabilities, the gateway can track and monitor assets and locations to improve logistics, prevent theft, and enhance operational efficiency.

Industrial Asset Vision comes with an easy-to-use, cloud-based management dashboard, providing visibility into the location and condition of your assets and facilities – from the sensors to the gateway. Use alerts or generate reports to take action when needed. Its unified management allows you to troubleshoot across the sensors, the gateways, and the LoRaWAN network. With support for plant and GIS map views, defined geofenced areas that overlay assets, and location breadcrumbs, you will always have full visibility into your industrial assets.

Figure 2. When to use industrial sensors

