

Juniper and HID Global Deliver Contact Tracing and Real Time Location Options to Facilitate a Safer Return to the Workplace

Automate locating individuals in a facility and resolve contact tracing issues with a streamlined operational experience using Juniper virtual Bluetooth® Low Energy (vBLE) technology and HID BLE beacons.

THE CHALLENGE

Organizations around the world are eager to have their employees, students, contractors, and visitors return to the workplace. Faced with the challenge of implementing a wide range of new safety procedures, organizations need an efficient, automated way to monitor adherence to social distancing policies and administer contact tracing when required.

THE JUNIPER-HID SOLUTION

To meet this new challenge, Juniper and HID Global have partnered to provide a solution that automates social distancing and contact tracing. In real-time, this location services-based technology

enables distance policies, monitors movement, and allows teams to identify recent contacts if someone in a facility is symptomatic or tests positive.

BENEFITS

This joint solution from Juniper and HID Global provides automated support to boost safety when returning to the workplace by providing the ability to locate employees in a facility, support contact tracing, and monitor usage of sanitizing stations.

The Challenge

Creating a Safer Return to the Workplace in a New Era for Employee & Visitor Safety

Employers today face a new challenge: to provide a safe and clean work environment as employees bring with them a new social consciousness centered on public health awareness, social distancing and hygienic spaces. As employers consider a return to the physical workplace, they must adapt to new requirements, implement new procedures, and leverage technology to alleviate their employees' concerns.

Organizations around the world are challenged on how and when to return to an in-person environment and the need to adhere to social distancing guidelines will last for the foreseeable future. Key to keeping people physically distanced is knowing where they are at any given time. Of equal importance is the ability to conduct contact tracing – identifying people who have an infectious disease and those they've come in contact with – as efficiently and automated as possible.

In order to implement a wide range of new safety procedures, organizations need an efficient, automated way to manage social distancing and administer contact tracing when required. To meet this new challenge, Juniper and HID Global have partnered to provide a solution that integrates location based services to enable distance policies and monitors movement, ensuring a safer return to the workplace.



The Juniper–HID Global Solution

Juniper and HID Global have partnered to enable a safe and compliant workspace for employees to return to their office. With the combined solution, administrators simply define their distancing policies and create zones and distancing alerts based on the policy. Employees are issued a HID BLE beacon, which provides physical distancing peace of mind for workers. Using zonal locating capabilities, Bluetooth to Wi-Fi network connectivity with Juniper, the gateways scan for beacons and register interactions in those areas. Also, proximity geofences can be created around high-traffic areas like breakrooms to minimize larger congregations.

Features and Benefits

This solution from Juniper and HID Global enables a safer return to the workplace by providing:

- Automated ability to locate employees, visitors and contractors by leveraging real-time location services to monitor distance between individuals
- More automated contact tracing by leveraging historical data provided by a beacon tagged to an individual who receives a positive test for an infectious disease
- Support in monitoring usage of hand sanitizing stations by embedding a BLE sensor in the soap or sanitizer dispenser and having a user's beacon authenticate and register the event

Solution Components

The Juniper solution includes the following components:

The Juniper AI-Driven wireless is a single, converged cloud-based microservices platform for Wi-Fi and BLE indoor location services, leverages Mist AI and virtualized BLE in order to eliminate the need for expensive overlay platforms and battery powered gateways for asset location and user engagement while delivering high accuracy through unsupervised machine learning. The combined solution provides a simple architecture for scalable IoT asset tracking and management that reduces costs, eliminates complexity, and fosters rapid adoption across organizational functions and use cases.

The HID Global solution components include BEEKs BLE beacons, which can be worn as badges and provide valuable insights on employee location within a facility. When combined with BLE gateways and a cloud services engine, BEEKs can be centrally managed through the cloud to transfer new messages, firmware updates, and battery status checks remotely.



Summary

Provide Employees Peace of Mind and Create a Safer Return to the Workplace with Location Services Technology from Juniper and HID Global

While the pandemic presents challenges to help re-introduce and maintain a safer work environment, technology will play a role in not only assisting with social distancing protocols, but more importantly, ensuring that employee's safety concerns are satisfied. This new solution from Juniper and HID Global is designed to do both – empowering building operators with the knowledge they need to trace the whereabouts of individuals and manage the use of space according to well-defined best practices.

Next Steps

To learn more about the joint Juniper-HID Global solution, please contact your HID Global or Juniper Mist representative, or visit www.hidglobal.com and www.juniper.net.

About Juniper Mist

Mist built the first AI-driven Wireless LAN (WLAN), which makes Wi-Fi predictable, reliable, and measurable and enables scalable indoor location services like wayfinding, proximity messaging and asset visibility. In addition, Mist's AI technology plays a key role in bringing automation and insight across the full IT stack, delivering seamless end-to-end user experiences and substantial IT cost savings. In 2019, Mist was acquired by Juniper Networks and operates as a business unit focused on the AI-Driven Enterprise which combines Mist's next-generation Wireless LAN (WLAN) platform with Juniper's best-in-class wired LAN, SD-WAN and security solutions to deliver unsurpassed end-to-end user and IT experiences. For more information, visit www.mist.com.

About HID Global

HID Global powers the trusted identities of the world's people, places and things, making it possible for people to transact safely, work productively and travel freely. Their trusted identity solutions give people convenient access to physical and digital places and connect things that can be identified, verified and tracked digitally. Millions of people around the world use HID products and services to navigate their everyday lives, and billions of things are connected through HID technology. Headquartered in Austin, Texas, HID Global has over 4,000 employees worldwide and operates international offices that support more than 100 countries. HID Global® is an ASSA ABLOY Group brand.

For more information, visit www.hidglobal.com.