



Simplifying the monitoring of workers across large worksites

Mesh Systems **Personnel Tracking & Construction Worker Safety** solution is an end-to-end platform that uses off-the-shelf BLE beacons embedded in personnel badges or cards to track the location and dwell time of employees and contractors within these sites. The solution uses affordable components along with customizable apps and reporting to improve visibility, ensure compliance with labor and safety requirements, and strengthen staffing and project management.

MESHSYSTEMS



Simplifies managing personnel

Offers end-to-end monitoring of personnel to verify when they enter and leave workplaces and their dwell times at various locations or zones



Reduces operating expenses

Speeds up administration of personnel and identification of people who are unauthorized to be at a workplace, and reduces need for on-site security



Increases efficiency and security

Integrates with other systems and processes to improve visibility into status and security of personnel, and insights to improve staffing decisions

Competitive advantages

- Provides a premium solution at an affordable price via the use of off-the-shelf beacons and tags
- Uses BLE beacons, which are typically battery-powered with a range of 1-70 meters (3 to 230 feet), and easily configured, using a mobile app on a smartphone. These beacons are more scalable and portable than those, which use radio-frequency ID (RFID).
- Tracks personnel both indoors, and in the field and worksites, equipped with BLE readers
- Supports integration with other systems, including companies' proprietary project and personnel management systems



Minimizes risks by reducing unauthorized access

A U.S. headquartered, multibillion-dollar commercial construction contractor—which oversees the building of large complexes like corporate headquarters, data and technology centers, performing arts centers, and hotels—looked to IoT for answers. To minimize their insurance claims and reduce safety and security issues, they needed a way to ensure only authorized contractors can access their construction sites.

They implemented the Mesh Systems Personnel Tracking and Construction Worker safety solution, adding BLE tracking beacons to workers' badges, and integrating the subsequent data with their access control system, project management tool and Power BI. The resulting solution increased visibility into what was occurring on worksites, and enhanced worker safety.

Ready to start automating the tracking of your workforce?

- For more information, contact sales@mesh-systems.com
- Learn more at mesh-systems.com

About Mesh Systems

In the race for digital transformation, the Internet of Things can be the starting point or the last mile. Mesh Systems helps enterprises achieve digital transformation by providing software, services, and solutions for the Internet of Things. With 14 years of experience working with Fortune 500s and industry leaders, Mesh Systems has engineering competency across hardware, software, wireless technologies, and managed services—and the distinction of being one of the first companies to build an IoT solution on the Microsoft Azure cloud. Today, Mesh Systems is a Microsoft global Elite IoT Partner with Gold Cloud competency, is a direct CSP, and works closely with Microsoft as an IoT ecosystem enabler.