

PARTNER SOLUTION OVERVIEW

ARUBA AND SAFECTORY

COVERING YOUR TRACKS

Asset tracking is an essential tool for locating inventory, optimizing material handling, and reducing shrinkage. When asset tags create the data, mistakes by manual scanning are avoided, and humans can focus on core business.

Deploying a dedicated monitoring infrastructure for location tags is expensive, and unnecessary. Asset tags that use the Bluetooth Low Energy (BLE) standard can leverage the unlicensed 2.4 GHz ISM band to communicate, eliminating the need for licensed frequency spectrum. Since BLE chips are widely used in consumer products, the price points for BLE-enabled tags can be very competitive.

Aruba has built BLE radios into its Wi-Fi access points for many years, specifically to support BLE-based location and asset tracking. Customers can deploy BLE asset tracking at the time of initial deployment, or add it as a post-deployment service. Once BLE is enabled, the target traffic are securely tunneled by the access point to the destination application, without the need for gateways or additional infrastructure. And since BLE devices can be added after deployment, customers have the flexibility to add new BLE-based services without having to rip-and-replace access points.

SAFACTORY

Safactory is a German location services company that produces BLE-based asset tracking, contract tracing, and workflow management systems. Targeting healthcare, hospitality, retail, industrial, manufacturing, agricultural, and aviation vertical markets, Safactory tags can monitor and report their own location, track other nearby tags, and report on additional information e.g. motion or keypress.

Real-time location, movement, contact can all be monitored using a combination of tags and tracking software. Fixed beacons and social distance are available with pushbuttons and audio outputs, and can operate up to eight years from battery depending on duty cycle.

WHY ARUBA AND SAFECTORY

- Tags can monitor and report their own location, track other nearby tags, and report motion or keypress using Aruba access points for backhaul
- Real-time location, movement, social distance can be monitored using tags that report location with local audio output and pushbutton options
- Up to eight year tag battery life
- Anonymized contact tracing meets GDPR requirements and keeps the workplace safer
- Leverages existing, secure wireless infrastructure - no additional hardware required
- Validated interoperability

Decentralized fog computing provides data security and is GDPR compliant. Personally identifiable data are only stored centrally, never on edge devices.

ARUBA AND SAFECTORY

Aruba and Safactory have partnered to deliver efficient real-time location-based solutions that fit many vertical application and operating environments. Safactory tags and beacons are interoperable with the BLE radios in Aruba access points, enabling retrofits to existing Aruba deployments.

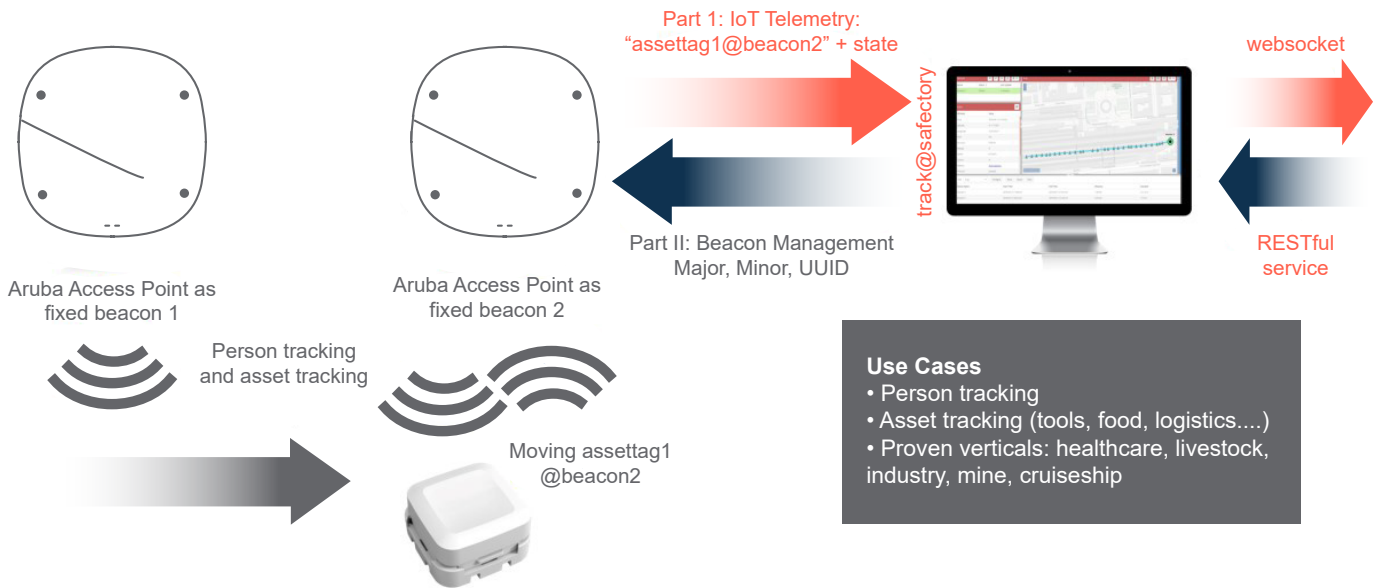
Tracking tags can monitor stock keeping units (SKUs), pallets, medical telemetry equipment, and expensive assets like finished semiconductors. Built-in sensors can detect unauthorized movement of monitored assets to reduce shrinkage, or alert when an item is stored or handled improperly. Tag battery levels are also monitored to reduce unexpected downtime.



Zone tracking allows time-and-motion analysis of assets that move along freely with variable travel time. Geofences identify if an asset is not moving within a specified route, or is moving too frequently between two or more locations. These features can help optimize kanban inventory handling and tool management.

Safactory's BLE devices are compatible with Aruba indoor, outdoor, and hazardous environment access points, allowing location services to follow assets regardless of where they move. Data can be managed locally on-premises or via public, private, or hybrid cloud.

Anonymous contact tracing identifies personal encounters in specified areas. The data can be used to ensure compliance with local labor and health regulations, while keeping the workplace safer.

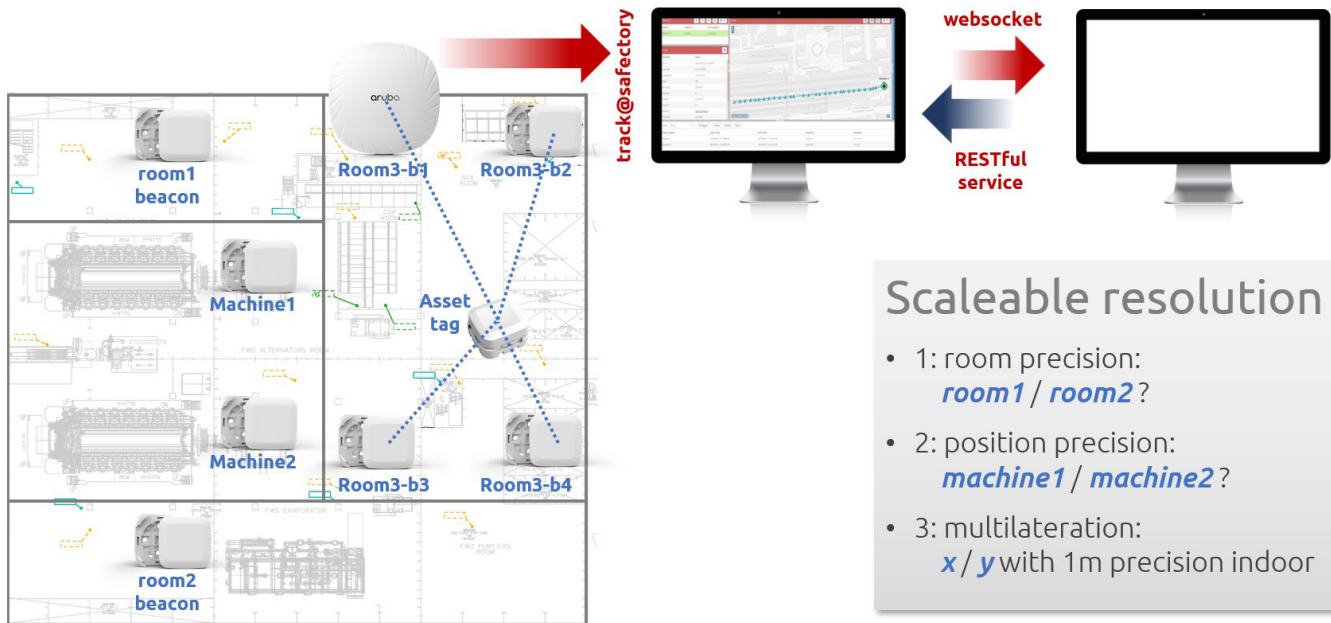


Joint Solution Diagram (Safactory, 2022)

UNIQUE VALUE PROPOSITIONS

The joint Aruba-Safactory solution brings with it many unique value propositions:

- Out-of-the-box integration with existing Aruba Wi-Fi infrastructure eliminates the need to install gateways or install parallel location services infrastructure;
- Tracking and tracing can be accomplished with one system, since the software supports BLE, QR, and RFID tags; and
- Rich meta data are available via multiple file formats and interfaces (including Websocket and REST) and to simplify integration with existing software.



Joint Solution Diagram (Safactory, 2022)

Scalable resolution

- 1: room precision:
room1 / room2?
- 2: position precision:
machine1 / machine2?
- 3: multilateration:
x/y with 1m precision indoor

CERTIFIED INTEROPERABLE

We've taken the guesswork out of deploying joint solutions by certifying the interoperability of Safactory's BLE object tracking with Aruba's wireless infrastructure (Aruba AP series 300 and later using AOS 8.9). This allows joint deployments to be commissioned faster and simplifies maintenance of joint implementations.

SUMMARY

Used in conjunction with Aruba Wi-Fi infrastructure, Safactory's asset tracking and contact tracing solutions provide real-time location-based solutions for industrial, manufacturing, healthcare, logistics, and other vertical applications.

DEPEND ON SAFECTORY



Safactory enables asset tracking and contact tracing using BLE devices and software analytics.

CONTACT US TODAY, SO WE CAN START BUILDING YOUR CUSTOMIZED CLOUD NETWORKING SOLUTION.

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