

Work more efficiently tracking location and movement of everything



Is your worksite...

- Seeing storage get more and more complicated?
- Taking time to find things and their location?
- Short on labor, or seeing productivity fluctuate among experienced and novice workers?

Visual Warehouse, our location tracking technology Solution for location management

✔ Save time finding things, and improve accuracy in inventory control

Use wireless tags to locate items without scanning, while managing their data.

✔ Improve efficiency and prevent errors

Systemized management of location and incoming/outgoing goods allows anyone to perform the same task accurately, to improve overall efficiency.

✔ See inventory status in real time

Digitized information on work procedures allows real-time traceability of inventory, e.g., how much of an ingredient was used when and for what purpose. No more need to stocktake.

Example of improvement

A film rollstock warehouse at Company A:
Reduction in worker-hours and stock loss

Time to find materials

30 hours/month (2 persons) ➔ 10 hours/month (2 persons)

720 hours/year ➔ **240 hours/year**

Time to stocktake

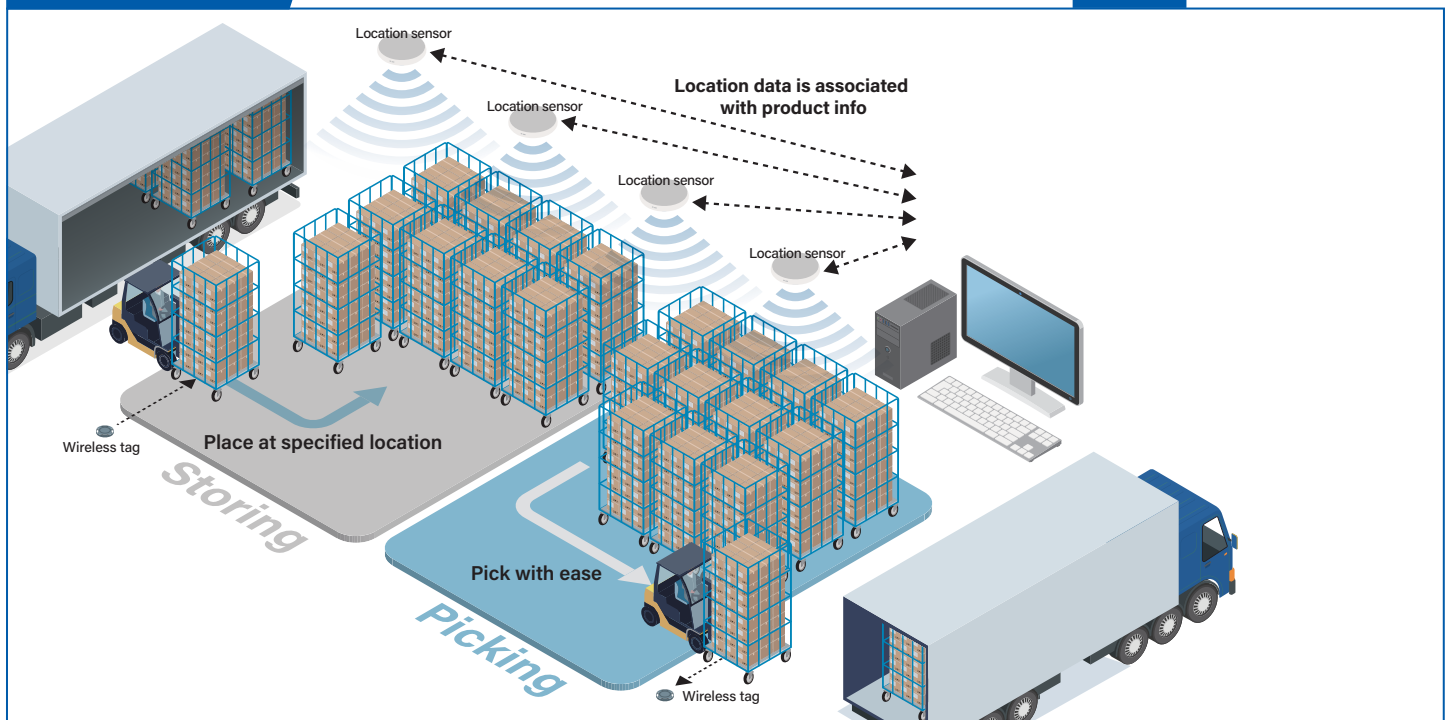
4 hours/month (2 persons) ➔ **None**

96 hours/year ➔ **None**

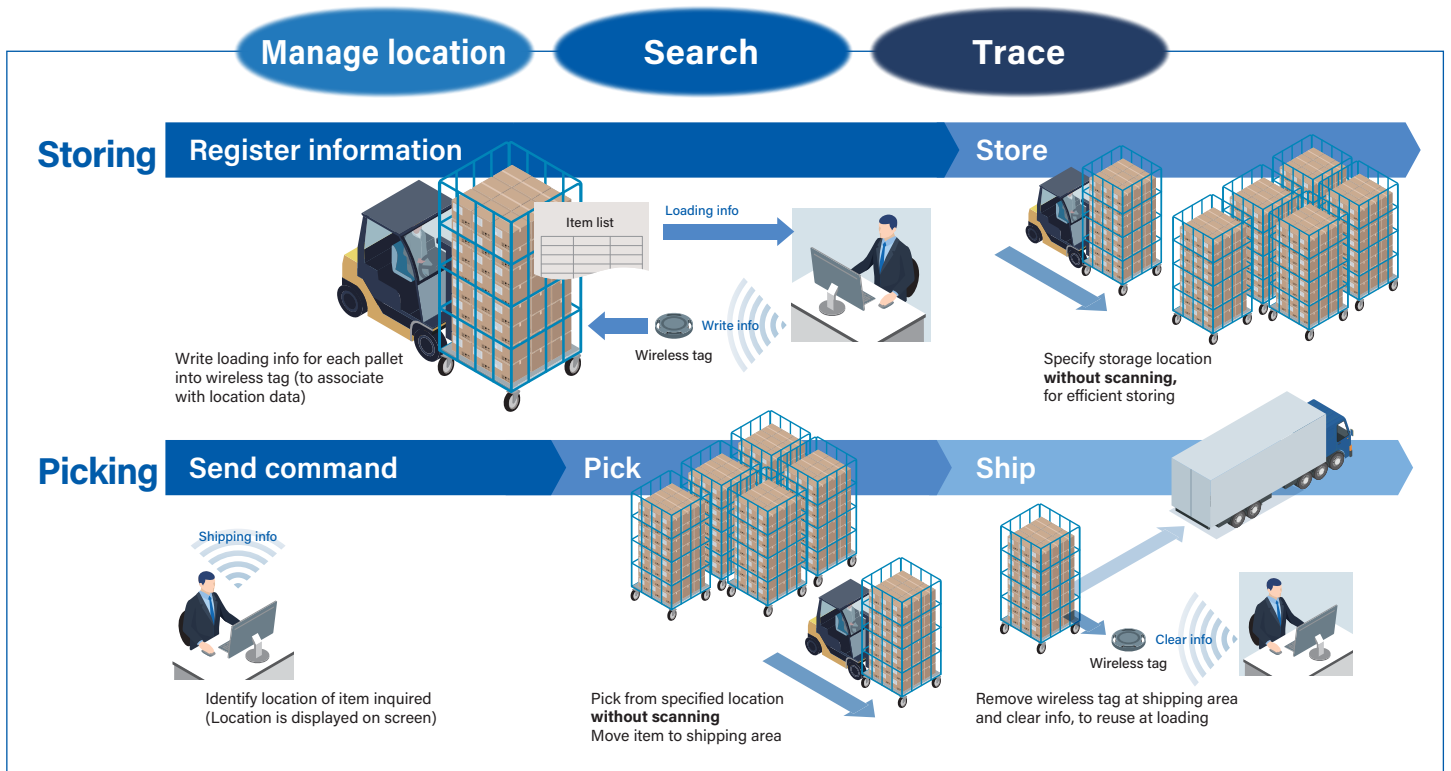
Loss of expensive raw materials

3 million yen x 1-2 bottles/year ➔ **None**

How it works



What it can do



Sensor & tag **Location tracking technology QUUPPA**

Tracks location of people and objects in real time to support data analyses and operational improvements

Sensor technology that can locate a tag in a production site within error margin of 50–100cm. Can be paired with the best analysis software for the customer's needs to use collected data for streamlining operations and improving productivity.

Locator Quuppa Positioning Engine

Angle of Arrival Tag

SATO group presence worldwide

We have offices in 27 countries/regions worldwide.
Our business is expanding in more than 90 countries/regions.

Europe		
Germany	Netherlands	Spain
France	Poland	Sweden
Italy	Russia	UK
Switzerland		
Asia		
Japan	Philippines	
China	Singapore	
India	Taiwan	
Indonesia	Thailand	
South Korea	Vietnam	
Malaysia		
Oceania		
Australia		
New Zealand		
Americas		
USA		
Mexico		
Brazil		
Argentina		

as of Nov. 2019

Contact our sales representative for more details

Visualize work effortlessly



Is your factory having trouble...

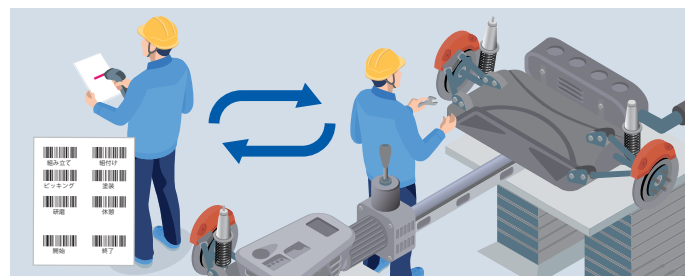
- Tracking who worked when, where and for how long?
- Collecting worker data without giving workers more to do?
- Obtaining reliable data, as workers may not log data consistently?

Visual Warehouse, our location tracking solution

Tracks worker status automatically

- ✓ Location tracking technology (sensors & tags) tracks worker hours automatically per procedure
- ✓ Exclusive software visualizes traffic & workload for analysis and improvements
- ✓ Automated collection frees workers from task of logging hours, while generating reliable data

A typical factory: Workers scan barcode before and after every procedure



Issues:

- Worker has to scan at every procedure
- Workers may not always be consistent in how they log data
- Workers may forget or make mistakes

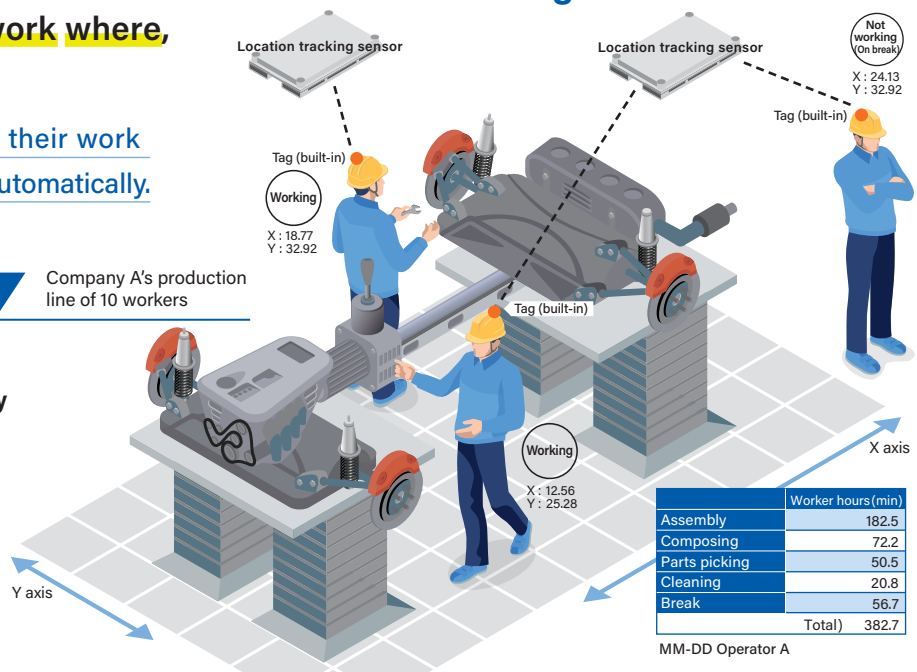
Data is not accurate despite all the effort that went into collecting it

With our automated data collection solution

Sensors and tags track location in X-Y coordinates to identify **who did which work where, when and for how long.**

Workers can simply go about their work while the system keeps track automatically.

No need to log hours



Example of Improvement

Company A's production line of 10 workers

Before: Workers scanned barcodes
188times/day=6,457 sec/day

0 times/day = 0 sec/day

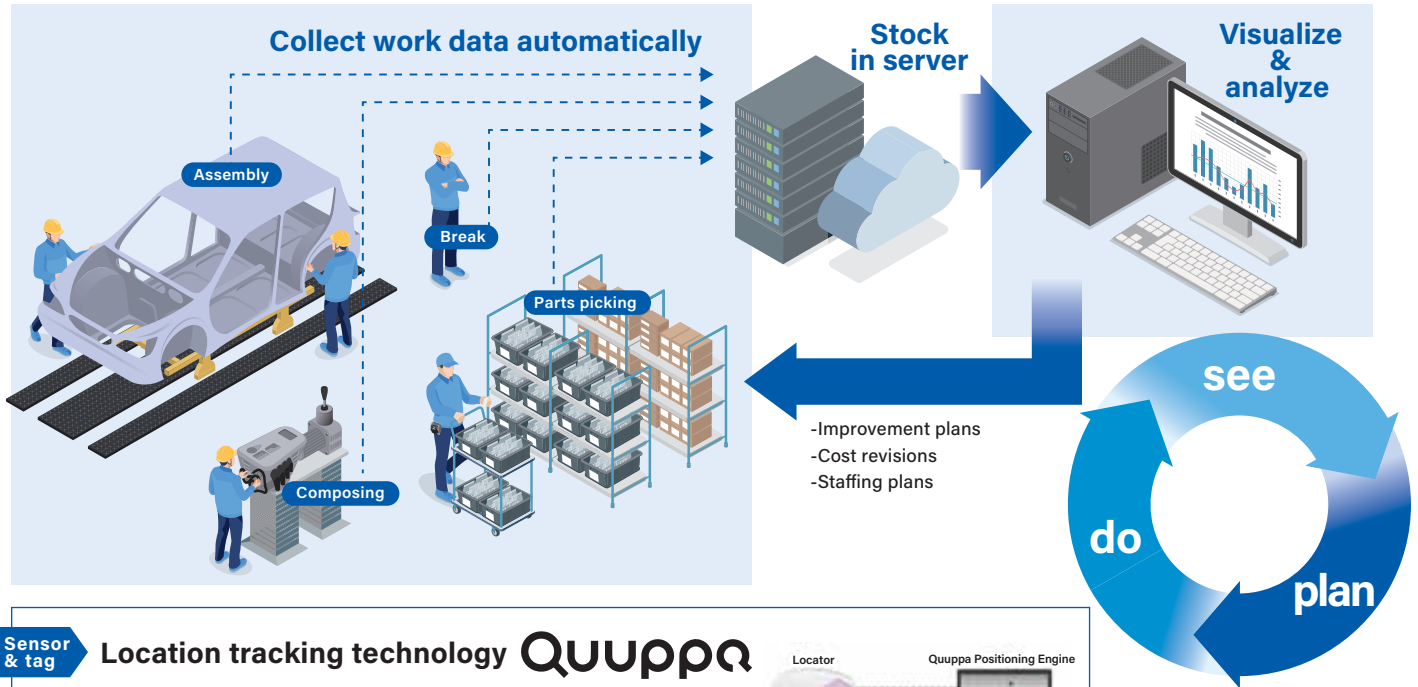
Collected data led to accurate staffing and scheduling

A complete package to improve your operations



We offer a full solution that lets you analyze the collected data on various systems to find ways to improve your operations.

Automated data collection solution

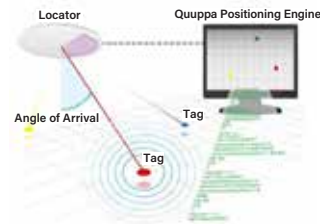


Sensor & tag

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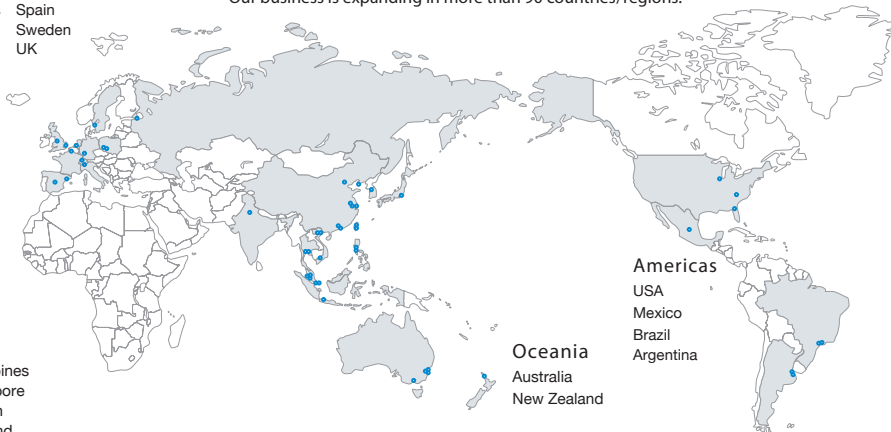
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as of Nov. 2019

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