



Smart investments in process control, efficiency, and safety for automotive manufacturers

A photograph of an automotive assembly line. In the center, a silver car body is positioned on a conveyor belt. Two robotic arms, painted orange, are lifting large, light-colored car door panels into place. The background shows the industrial setting of a factory with overhead lights and structural beams. A semi-transparent dark overlay covers the right side of the image, where the text is located.

Process control and monitoring

is key to growing
margins in a
competitive automotive
manufacturing market.

Precise tracking and identification of **assembly tools, dunnage racks and process equipment** allow for automated coordination of asset movement and quality control.



Tool tracking

- Monitor your production and use the data to make manufacturing more efficient
- Adjust tool torque based on location
- Avoid paper travelers and document production steps automatically
- Precise localization within inches





Tracking motorized vehicles

Easily locate and track motorized vehicles used in production and warehouses which will **save time** and can **enhance safety**.

Gain efficiency as employees will **spend less time searching** for available fork trucks or tuggers when needed.

Work in Progress monitoring

Increase productivity and revenue by:

- Delineating spatial zones for each workstation
- Identifying bottlenecks and choke points in facility
- Preventing unplanned downtime
- Keeping track of product quality parameters
- Avoiding or reducing manual scanning with automate reporting
- Point-to-point real-time asset visibility





New safety opportunities

As you work to keep employees healthy and at work, a real-time locating technology (RTLS) can mitigate your safety risks and deliver data for a proactive response.

Enhancing employee safety through integrated real-time location data:

- Prevent untrained employees from operating specific equipment or systems
- Log and monitor actual work hours and employees on premise
- Assure lone-worker safety



Social distancing and contact tracing

Precise location tracking also arms you with data needed to quickly access contact tracing information as it relates to your employees and their interactions, helping isolate incidents and interactions and mitigate further risks. Employee tags can be used to comply with social distancing guidelines and warn an employee and others around them when a group is at risk based on proximity and time.



Making smart investments

RTLS can be used for other tasks:

- Elimination of material loss
- Lower maintenance cost with improved uptime
- Optimized production control
- Plant and human simulation



How does RTLS work?

SIMATIC RTLS uses **wireless communication tags and gateways** to **locate objects and personnel** with **accuracy measured in inches** and allows you to easily **integrate the location data** into **higher level systems** to effectively coordinate and/or control workflows and processes.

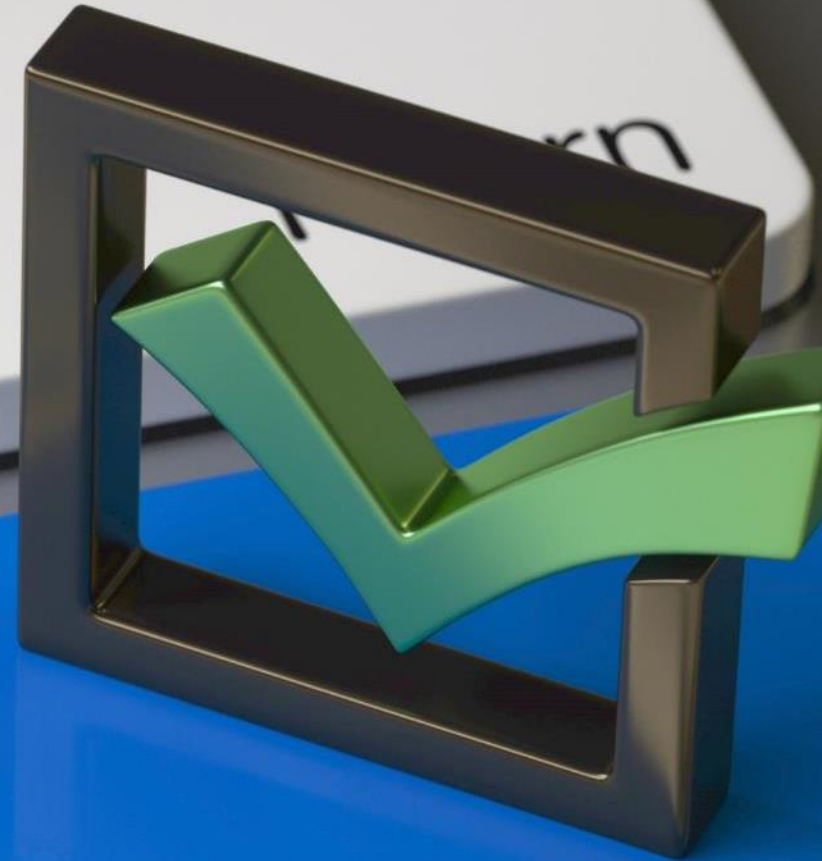


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