

SIMATIC RTLS for Fleet Depots

Know where your vehicles are in the yard all the time, from the safety of your desk!

usa.siemens.com/RTLS

Do you optimize the usage of your fleet?

Organizations in the transportation and logistics industry around the globe are looking at viable ways to maximize their efficiency to sustain profitability. Maintaining visibility of assets can help bus depots to operate more efficiently and pro actively. In today's economy, advancements in technology have made the visibility of assets and personnel in the transportation and logistics industry more trackable with the help of Real-Time Locating Systems (RTLS).

Why use RTLS in the transportation industry?

Depot Management – Reasons for Implementation

- Increases efficiency and accuracy of operations
- Minimizes search and recovery time for misplaced and lost assets
- Improve transparency and flexibility: avoid complex shunting process that can cause delays or unsuitable vehicles used for particular routes

- Eliminate cost of interruption of operations due to unexpected work
- Stay up-to-date with vehicle care: Keep track of pedometer steps, effectively manage spare part inventory, avoid usage of vehicles with open work orders; streamline communicating between maintenance and dispatch personnel by sharing data; receive alerts and notifications for vehicles that have been serviced or are still on maintenance hold
- Monitor and manage multiple depots
- Preheat vehicles before use
- Improve dispatch operations: allow remote dispatching; find alternative vehicles quickly; eliminate incorrect dispatching
- Yard Safety: collision avoidance by minimizing parking errors
- Keeping track of a dynamic fleet of vehicles within a large indoor or outdoor space
- Go digital and eliminate paper trails: create real time reports fleet management and analyze data to increase efficiency and make better decisions

What is a Real-Time Locating System (RTLS)?

Maintaining visibility of any asset and obtaining access to real-time data is important for enterprises to ensure the most possible operational efficiency and performance. Siemens SIMATIC RTLS solutions enable companies to precisely locate critical assets in real-time both indoors and outdoors and consequently minimize inefficiencies that are caused by lack of visibility. Know what's where and when – vehicles, workpieces, tools, robots etc. – within inches, in real time, and with precision.



IT-Integration

Locating information and events are transmitted to higher-level systems via ISO standard interface

Locating Manager

Calculates the real-time position of transponders Essential for commissioning and optimizing the solution

Hardware infrastructure

Active transponders mounted on objects which send signals in user defined intervals

Gateways collect the signal and transmit it to the locating server

What equipment is required?



Monitoring and control with active transponders



GATEWAYs create a wireless network



Typical use cases



Precise location of parking position

Determination of in-/outbound direction in depot and guidance to parking position

Determination of in-/outbound direction in repair/maintenance shop and vehicle wash

Do you want to learn more? Please reach out to our RTLS experts for more information and a free demo: <u>SiemensCl.us@siemens.com</u>

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Siemens Industry, Inc. 100 Technology Dr. Alpharetta, GA 30005

For more information, please contact our Customer Support Center. Phone: 1-800-241-4453 E-mail: info.us@siemens.com

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