



**Because pharma manufacturing  
relies on precise execution**



Pharma manufacturing is a carefully choreographed process, designed to ensure your raw materials move through manufacturing, staging, storage and delivery steps with absolute precision.



Tracking materials before and during production is essential to delivering the precise product safety and quality mandated for success.




The ultimate **quality and safety** of your products depends on having access to:

- the **exact location** of raw materials or products in process
- **real-time data** available to operators as they move materials
- **integration of location data, processes and workflows** to ensure that transitions from hot/cold storage processes are precisely timed



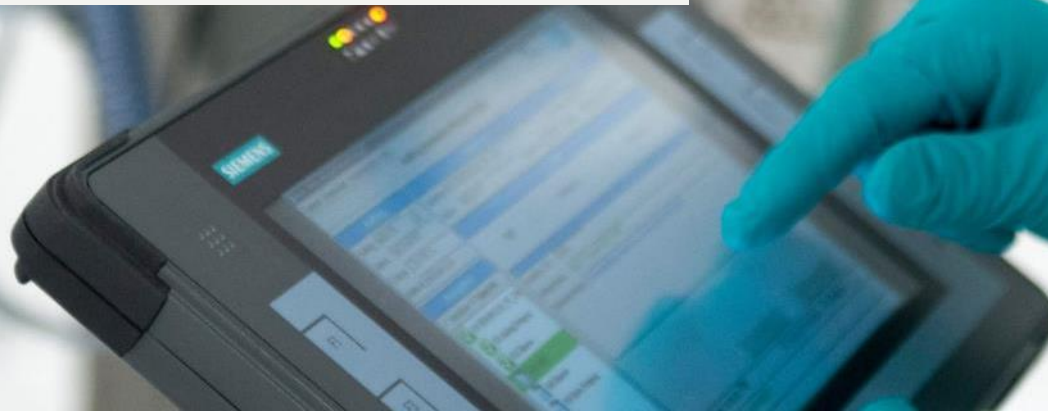


A female scientist with short dark hair, wearing a white lab coat and clear safety goggles, is shown in profile. She is looking down at a piece of industrial equipment. Her right hand, wearing a green nitrile glove, is resting on the top of the machine. The machine has a digital screen displaying a software interface with various data fields and graphs. The background is a blurred industrial setting with metal structures and pipes.


Tracking of portable equipment that is essential to your manufacturing processes can eliminate wasted search time and increase productivity and production.

With today's **locating technology**, operators should not have to search for required equipment.

Imagine the ability to **locate every single workpiece** in your facility **in real time with accuracy down to inches!**







While concerns over product and employee contamination from new viruses persist, locating technology can **mitigate your safety risks** and provide you with data for a proactive response.

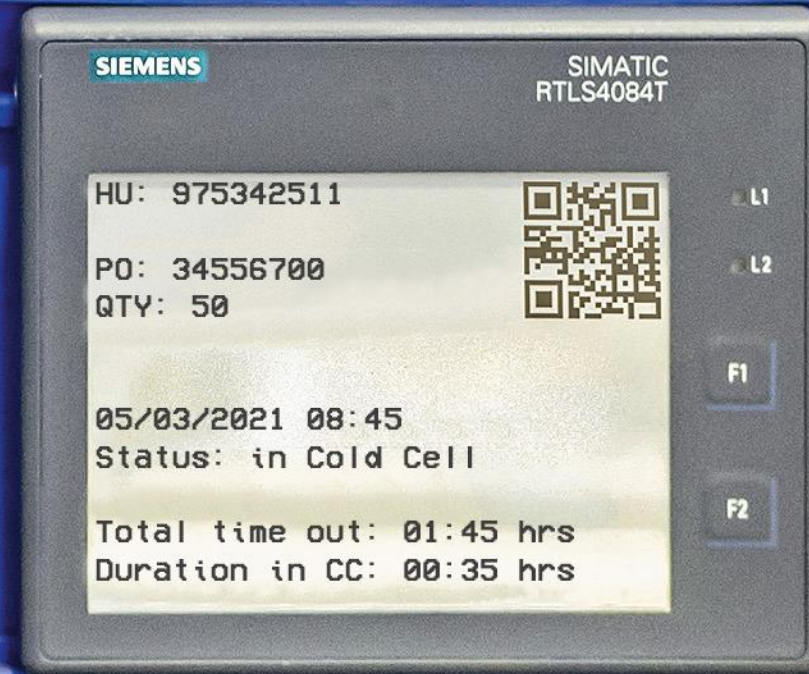
When a possible contaminant is identified, locating technology can be used to take a closer look at the precise time and location employees and products were exposed. This knowledge allows you to deploy a narrow risk mitigation strategy, affecting only those employees and products that were possibly exposed.





# Take the guesswork out of material handling

Get full transparency and visibility of key data such as quantity, release state, expiration date, raw materials lot number, operator steps signoffs, and more.





## How does RTLS work?

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





## Try before you buy

and request a **complete Proof of Concept Installation** that is tailored to your specific application.

[www.usa.siemens.com/rtls-proofofconcept](http://www.usa.siemens.com/rtls-proofofconcept)

Test





Information is an important  
competitive tool. Make smarter  
decisions with better data!



# SIMATIC RTLS

Go Beyond Locating with Real-Time Locating

# SIEMENS

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