



## INDUSTRIAL IDENTIFICATION CERTIFICATION

# Industrial identification: UHF-RFID technology and practice

Industrial processes in the Digital Enterprise demand total transparency.  
[usa.siemens.com/rfid](https://usa.siemens.com/rfid)

The ability to gather and process data at strategically relevant points is increasingly a crucial factor for long-term business success. As a result, Industrial Identification is a key technology for the Digital Enterprise.

From production and logistics to services and supply chain management, visibility is a necessity for the digital factory of the future. Siemens' Radio Frequency Identification (RFID) technology in the Ultra High Frequency (UHF) range plays a key role in this process by enabling automated communication between tagged assets, a PLC or PC systems.



# SIEMENS

## Objective

Upon completion of the course, you will be able to plan and implement UHF RFID projects. Students will learn about UHF applications, best practice examples, use cases and software/hardware requirements as well as how to configure and set up a complete system. Our practical, hands-on portion of the training provides a comprehensive understanding how RFID integrates into existing systems and how to avoid/handle potential errors. Every student will leave with a detailed course manual.

## Content

- Technical basics
- Antennas
- UHF field
- Import parameters
- Other countries, other regulations
- What happens at an inventory?
- Memory configuration
- Working with tags
- Requests and frame conditions of a project
- Feasibility test
- Planning of a project
- Processes and integration
- Controllers and integration
- Pilot phase
- Rollout
- Optimization of projects
- Operation

For more information or to register for the class, please go to:  
[www.usa.siemens.com/ident-education](http://www.usa.siemens.com/ident-education)

**Duration:** 2.5 days (incl. certification)

**Course no:** IEN-RFIDUHF

## Target group

Sales personnel, Planners, Developer, Commissioning engineers, Project engineers, Maintenance personnel

## Requirements

None

## Certification (Siemens CPID-Level)

After the training course, there is an option of taking a certification test as "Siemens Certified Professional for Industrial Identification – RFID-UHF". The certification test takes place at the end of this training. As an option, it may be taken at a later time.

## Contact

[siemensCI.us@siemens.com](mailto:siemensCI.us@siemens.com)

## Legal Manufacturer

Siemens Industry, Inc.  
100 Technology Dr.  
Alpharetta, Georgia 30005  
United States of America

Telephone: +1 (800) 347-6659  
[usa.siemens.com/rfid](http://usa.siemens.com/rfid)

©11.2021, Siemens Industry, Inc.

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.