SIEMENS
Ingenuity for life

Industrial Identification: UHF RFID Technology and Practice

Industrial Identification Certification

Description

Industrial processes in the Digital Enterprise demand total transparency. 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 to logistics, process traceability and supply chain, visibility is essential for the facility of the future. Radio Frequency Identification (RFID) technology in the Ultra High Frequency (UHF) range plays a key role in this task by enabling automated communication between tagged assets and PLC or PC systems.

usa.siemens.com/ident

Objective

Upon completion of the course you will be able to plan and implement UHF RFID projects. The course will cover ground on the vast potential of UHF technology in different applications and considerations when selecting the hardware and setup of the system. Using practical, hands-on exercises you will see how RFID integrates into existing systems, discover strategies for avoiding errors and how to handle them. You will also leave with an extensive reference of training documents what will come in handy in your daily work.

Contents

- 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

Book the training courses at:
www.siemens.com/sitrain

Duration: 3 days (incl. certification)
Course no: IEN-RFIDUHF

Target Group

Sales personnel
Planners, Developer, Commissioning Engineers, Project Engineers, Maintenance Personnel

Requirements

None

Certification Siemens CPIID 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.