SIEMENS

SITRAIN: Optical Identification Technologie and Practice (Face-to-face Training) (IID-OID)

Short Description

This training was conducted until December 15, 2025 under the course number ID-OID-TP. Whether production or logistics, for individualized mass production and the requirements for tracing goods, identification of products is essential. For state-of-the-art production systems, tracing products and parts with machine-readable identification is a central requirement. All production steps for each manufactured part can be planned and executed with the help of a unique code. The Optical Identification (OID) takes a key role in this task. This is a prerequisite for the digitalization of the complete supply chain.

Objectives

At attending the course you are able to plan and realize OID projects. You know the possibilities OID technology offers and learn what has to be considered when selecting the hardware and setup of the system. With the help of a huge number of practical exercises you find out how the integration in existing systems works. You understand strategies to avoid errors and how to handle them. In addition, with the training documents you get an extensive reference book for your daily work.

Target Group

- Technical sales personnel
- Planners
- Developer
- Commissioning engineers
- Project engineers
- Service and maintenance personnel

Content

Basics
- Technology
- Optics and filters
- 1D-/2D codes
- Types of lightings

Code reading in practice
- Sensor setup
- Uncalibrated code reading

Diagnostics and service
- Analysis of fail images
- Backup and firmware update
- Hardware replacement

System engineering and configuration
- Calculation
- Sensor specific engineering
- Selection of appropriate hardware

Communication and Integration
- Intergration via TIA and the Ident Profil
- Intergration via TCP

Comprehensive exercises

Note

Certification (Siemens CPIID-Level)

After the training course, you have the opportunity to get certified as " Siemens Certified Professional for Industrial Identification – OID ". The certification test takes place at the end of this training. As an option, it may be taken at a later time.

Type

Face-to-face training

Duration

3 days

Language

de

Fee

2,310 EUR

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