

## Optical Identification Technologie and Practice (ID-OID-TP)

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### Short Description

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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

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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

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

### Content

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#### 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

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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

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Face-to-face training

### Duration

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3 days

### Language

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