

## Siemens SIMATIC S7 Programmeren met TIA Portal (TIA-PRO2)

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### Short Description

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Designers, programmers, and commissioning engineers learn the ins and outs of programming the S7-1200 and S7-1500 PLCs in TIA Portal.

### Objectives

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You are familiar with the structure and programming architecture of SIMATIC S7 systems. You are also able to structure, document, and commission more complex programs.

### Target Group

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Through this course, designers, programmers, and commissioning engineers learn the ins and outs of programming the S7-1200 and S7-1500 in TIA Portal.

### Content

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Topics covered in this course include:

- Parameterizable functions, function blocks, and multi-instance function blocks
- Use of organization blocks for alarm and fault handling
- Special organization blocks in combination with hardware configuration
- Use of libraries within TIA Portal
- Arithmetic, shift, rotate, and jump instructions
- Complex data types
- Indirect addressing options
- Data storage, import and export capabilities on the CPU's flash card
- Complex instructions
- SCL editor
- Programming in SCL

### Prerequisites

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You possess the knowledge and skills acquired in the SIMATIC S7 System Course 1A + 1B with TIA Portal.

### Note

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All practical exercises are carried out using an S7-1500 system, complete with a conveyor belt model and a Touch Panel. Please note: Courses will only take place if there are sufficient registrations.

### Type

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Face-to-face training

### Duration

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5 days

### Language

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en, nl

### Fee

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2,700 EUR