

## Aggiornamento a SINUMERIK ONE (NC-ONE-UP)

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### Short Description

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Based on your good know-how on the SINUMERIK 840D sl, this course will provide you with the knowledge for the project planning and commissioning of the SINUMERIK ONE as digital twin and real, as well as the knowledge to create and test different system configurations. In practical exercises, you train commissioning and service on training equipment. After the course ends, you will master the commissioning of the SINUMERIK ONE control system with a SINAMICS S120 drive. By knowing the various functions of the controller, you are able to optimally adapt the control to the machine and thus maximize the productivity of your machine.

### Objectives

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After attending the course, you can:

- Use the components and functions of SINUMERIK ONE
- Carry out the commissioning of the digital twin
- Transfer the data to a real machine and commission it

### Target Group

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Commissioning engineers  
Engineering personnel  
Service personnel

### Content

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- Overview and components of SINUMERIK ONE
- Overview of SINUMERIK ONE functionality
- Data backup of the SSD/SD, recommissioning, SW upgrade
- Commissioning of the digital twin with TIA portal and CreateMyVirtualMachine
- Adaptation of the control functions to the machine with machine data and interface signals
- Machine kinematics and collision monitoring
- Transfer of data to the real machine
- Drive commissioning and axle assignment

The theoretical knowledge will be deepened with numerous practical exercises.

### Prerequisites

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NMS840DSL course or equivalent basic knowledge of numeric control systems.

### Type

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Face-to-face training

### Duration

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3 days

### Language

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