

## Understanding the OPC Interface - System Course (IK-OPCSYS)

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### Ziele

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In this course you will become familiar with OPC Interface basics, ideas and objectives. The goal is to master the configuration of the OPC Server of Siemens and to understand the use of WinCC, WinCC flexible and Microsoft Excel as OPC clients. Goal of this course is to know the interfaces and methods of OPC, master the basics of programming OPC clients, accessing the OPC server using Custom Interface and Automation Interface, and being able to optimize the accesses to the OPC Server. That way, you are in a position to read data from the automation world into your personal computer without special programming knowledge, to then be able to further process these in standard Windows applications.

### Zielgruppe

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Programmers  
Commissioning engineers  
Engineering personnel  
Maintenance personnel  
Service personnel

### Inhalte

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Benefits of OPC as a manufacturer-independent interface standard  
The basics and possibilities of the OPC Data Access interface  
Starting up a PC station with "Advanced PC Configuration"  
Configuring the OPC Server of - SIMATIC NET - WinCC and WinCC flexible - WinAC  
OPC Scout as OPC test client  
WinCC and WinCC flexible as OPC client  
IndustrialDataBridge as OPC client  
Microsoft Excel as OPC client  
The interfaces and methods of the OPC Data Access interface specification  
The basics of programming OPC clients for the Custom Interface with C++  
The basics of programming OPC clients for the Automation Interface with Visual Basic and VBA  
Tips for preventing performance bottlenecks when accessing the OPC interface  
Exercises on all of the above using selected examples

### Teilnahmevoraussetzung

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SIMATIC S7 knowledge according to ST-PRO2 or ST-SERV2

### [Entrance Tests](#)

### Hinweise

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none

### Typ

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Präsenztraining

### Dauer

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3 Tage

### Sprache

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