

## AS-Interface Installation & Maintenance Course (IK-ASISYS)

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### Short Description

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This course is aimed at engineering personnel who are interested in the installation, configuration and diagnostics of AS-Interface systems. The course uses a 'hands-on' practical approach to reinforce the theoretical aspects of the training. Practical tasks are undertaken using a simulation rig including S7-300 PLCs.

### Objectives

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On completion of this course the participant will be able to:- Understand how AS-Interface systems are installed & applied Use diagnostic tools to troubleshoot existing systems

### Content

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Introduction to AS-Interface systems including references to V2.0, V2.1 and V3.0 methods of communication.  
Installation of AS-Interface systems  
Application of AS-Interface systems  
Equipment available to use on AS-Interface systems  
Configuration of AS-Interface network using hand-held programmer  
Configuration of AS-Interface Master/Slave equipment on S7 PLC systems  
Configuration of AS-Interface Master/Slave equipment on S7 PLC systems  
Interfacing the AS-Interface network to a PROFIBUS network using DP/AS-i Link20E  
Fault finding and diagnostics using the hand-held programmer  
Fault finding and diagnostics using Step7 (V5.x)  
Diagnostics using AS-Interface Analyser software  
Integration of binary and analogue signals in S7 PLCs  
Integration of V2.1 A/B slave technology  
Configuration of network using DP/AS-i Link Advanced  
Web browser configuration and diagnostics for the DP/AS-i Link Advanced  
Integration of V3.0 A/B slave technology  
Replication of diagnostics on a HMI device (WinCC Flexible 2008)

### Prerequisites

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The ability to use a MS Windows PC (W7), keyboard and mouse to include opening and closing programs, locating files, copy and paste objects /data (text, etc). Drag and drop files, objects/data (text, etc). Use of menus and multi-menus, manipulation of windows within a multi-window environment. Use of MS Windows Help.  
Delegates must have attended Siemens ST-PRO1, ST-SERV1 or ST-SERV2 or have good experience in using Step7 (V5.x).

### Note

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AS-Interface to S7200/S71200 PLCs and use of Step7 in the TIA Portal are not covered on this course.

### Type

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Face-to-face training

### Duration

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3 days

### Language

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### Fee

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1,610 GBP