

## 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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en

### Fee

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1,610 GBP