

## AS-Interface Safe Certification Course (IK-ASISAFE)

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### Short Description

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This assessment and certification based course is aimed at personnel responsible for either the design or implementation of Siemens AS-Interface Safe systems.

### Objectives

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

### Content

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Introduction to AS-Interface Safe systems  
Installation of AS-Interface Safe systems  
Application of AS-Interface Safe systems  
Equipment available to use on AS-Interface Safe systems  
Configuration and design considerations using different PL & SIL examples  
Use of AS-iMon software for configuration  
Interfacing to an existing AS-Interface network  
Use of AS-iMon software for diagnostics  
Programming integration into Step7 (V5.x)  
Diagnostics using Step7 (V5.x)  
Replication of diagnostic information onto HMI devices

### 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.  
Participants must have either a sound working knowledge of AS-Interface systems or have previously attended the standard 3 day AS-Interface Installation & Maintenance Course (IK-ASISYS). Participants also require a good working knowledge of Siemens Step7 (V5.x).  
Participants wishing to gain AS-Interface Safe Certification must have also successfully completed the Functional Safety Examination Module (Code. ST-NSST).

### Note

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This certificated course is assessed by means of an 'open book' assignment. Successful candidates will be issued with the formal AS-Interface Safe Certification which they will hold until expiry three years from the date of certificate issue. Please note the AS-Interface Safe Certificate will only be awarded upon successful completion of the Functional Safety Examination Module (Code. IK-SAFETY). Participants on the AS-Interface Safe course will also be issued with a basic attendance certificate but this will include a note on the certificate indicating that it does not certify, or imply, any AS-Interface Safe competence has been achieved by the participant.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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en

### Fee

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1,230 GBP