# Au2mate Academy

# AS-I BUS DESIGN & INSTALLATION

## COURSE NO. 14:
## AS-I BUS DESIGN & INSTALLATION

**PROGRAM  -  SHORT DESCRIPTION  ·  DURATION:  1 DAY - 08:30-16:00**

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| **Target audience** | The course is targeting technical personnel who will be involved in design, installation, and maintenance of AS-i bus solutions. |
| **Prerequisites** | Basic knowledge regarding automation technology and equipment. User of Windows based PCs. |
| **Short description** | Basic introduction to AS-i bus technology/solutions. |

The course will cover topics such as:
- General introduction to AS-i bus structure & protocol V2.0, 2.1 & 3.0
- Different types of AS-i modules and wiring methods
- Design rules for AS-i bus
- Addressing of AS-i modules
- Configuration of master/slave modules
- PLC configuration and setup
- PROFINET/AS-i bus setup
- Practical exercises in connecting/replacing modules
- Practical exercises in setup/addressing of modules
- Diagnostics – typical installation faults
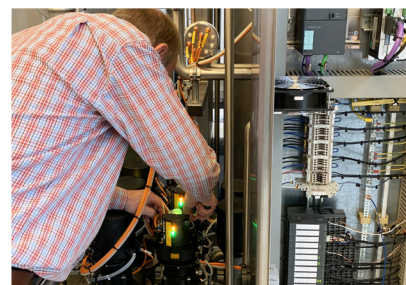- Fault finding at live plant

**Objectives**

Upon completion of this course the attendant will have obtained:
- Basic understanding of AS-i bus
- Skills in design & installation of AS-i bus solutions
- Skills in setup/test and diagnostics of AS-i bus solutions

**COURSE PARTICIPANT COMMENT:**

*"Thank you for a great course, praise for everything about it and especially to the instructor who knew what he was talking about.
I shall recommend it highly to colleagues who will need knowledge within Wonderware in the future."*

Jasmin Duzel,
Production System Specialist
Arla Foods Ingredients Group P/S

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