

Au2mate Academy

# GENERAL INTRODUCTION TO I/O LINK

## COURSE NO. 19: GENERAL INTRODUCTION TO I/O LINK

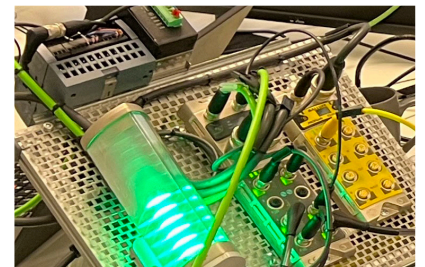
PROGRAM - SHORT DESCRIPTION · DURATION: 1 DAY - 08:30-16:00

<b>Target audience</b>	<b>The course is targeting technical personnel who will be involved in operation of equipment, installation, and maintenance of IO link solutions.</b>
<b>Prerequisites</b>	User of Windows based PCs. Basic knowledge regarding ethernet and/or profinet networks.
<b>Language</b>	The course is conducted in Danish (English on request) - course material in English
<b>Short description</b>	Basic introduction to IO link.  The course will cover topics such as: <ul style="list-style-type: none"> <li>• Introduction to the communication technology</li> <li>• Hardware design principles</li> <li>• Types and manufacturers of IO-link hardware</li> <li>• Introduction to IO link devices</li> <li>• IO-link and industry 4.0</li> <li>• Available cyclic data communication to/from Siemens PLC</li> <li>• Accessing acyclic data from a web-browser</li> <li>• Accessing acyclic data from a Siemens PLC</li> <li>• Practical exercises in connecting/replacing components</li> <li>• Practical exercises in setup of IO-link master and IODD files</li> <li>• Practical exercises in setup of IO-link master and Siemens PLC</li> <li>• Strategy of fault finding</li> <li>• Troubleshooting/Diagnostics</li> <li>• Fault finding at live plant</li> </ul>
<b>Objectives</b>	Upon completion of this course the attendant will have obtained: <ul style="list-style-type: none"> <li>• Basic understanding of IO link</li> <li>• Skills in installation of IO link master and devices</li> <li>• Skills in diagnostics of IO link systems via web-browser tools</li> </ul>

### 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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