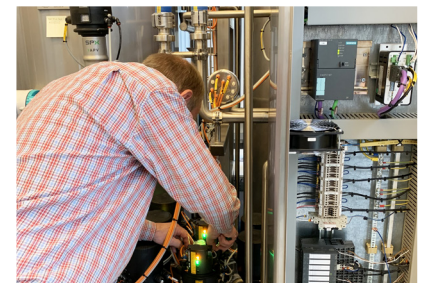## Au2mate Academy

PROFIBUS
DESIGN & INSTALLATION

COURSE NO. 15:
PROFIBUS DESIGN & INSTALLATION

PROGRAM - SHORT DESCRIPTION · DURATION: 2 DAYS - 08:30-16:00

Target audience

The course is targeting technical personnel who will be involved in design, installation, and maintenance of PROFIBUS solutions.

Prerequisites

Basic knowledge regarding automation technology and equipment.
User of Windows based PCs.

Short description

Basic introduction to PROFIBUS technology/solutions.

The course will cover topics such as:
- General introduction to the PROFIBUS standard
- Cable/RS 485 technology
- Profibus PA cabling
- Grounding and shielding
- Repeaters
- Network components
- Addressing, bus parameters and cycle times
- Setting up a network/setting bus parameters
- Practical exercises in connecting/replacing components
- Practical exercises in setup/addressing of components
- Testing/documentation of PROFIBUS network by use of test tools
- Strategy of fault finding
- Troubleshooting/Diagnostics

Objectives

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

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