PROFIBUS Troubleshooting & Maintenance

The PROFIBUS Troubleshooting and Maintenance training course is fully concentrated on those who install and maintain PROFIBUS installations. A complete knowledge package is provided that can be put into practice immediately.

Details

- **Training methodology:** Theory + practice
- **Duration:** 2 Days (10 AM - 5 PM)
- **Price:** € 750.- per person, subjected to changes

Description

The participants will learn how to analyse, localise and solve a PROFIBUS problem. Theory about cabling, shielding, grounding, busparameters and measurement tools is the basis of this knowledge. With the help of practical exercises on real networks, the participants will put theory into practice.

At the end of the training, the participants are directly capable to maintain and solve issues in PROFIBUS installations. They will have a strong theoretical foundation and are able to handle the necessary measurement tools, like ProfiTrace.

Target audience

This workshop is intended for everybody who is responsible for PROFIBUS installations. For example:

- Service personnel and operators
- Installation companies
- Industrial PROFIBUS users
- Engineering companies
- Suppliers
- Hard- and software engineers

Topics

Theory

- Technology of PROFIBUS DP and PA
- RS 485 and MBP-IS characteristics
- Cabling techniques
- Grounding and shielding
- DP/PA segment couplers, repeaters and OLMs
- Strategy of fault finding
- How to interpret oscilloscope signals
- Measurement tools

Practical exercises

- Protocol analysis with ProfiTrace
- Cable and signal measurements with ProfiTrace
- Class 2 functions with ProfiTrace
- Remote Monitoring with COMbricks (**NEW**)

Other information

The participants will receive: *a course book, writing materials and a certificate of participation.*

It is recommended to bring a laptop or PC with USB port.

Lunch is included on all course days.