Certified Training for PROFIBUS PA Engineer

A hands-on based course, recognized in all industries

Number of participants
Max. 8

Duration/Cost
4 days / MYR 4,988

Course dates
20-23 September 2016
www.endress.com/en/events/training

Contact and registration
Ng Ching Ching
chingching.ng@my.endress.com
Tel : 03-7843 3848

Target Group

- System Programmers
- Control and Instrumentation Engineers
- Design and Planning Engineers
- Service and Maintenance Engineers, Installers

Goal At the end of the course you will be able to design and commission a PROFIBUS fieldbus network. You will also understand the benefits of the technology and know the procedure for troubleshooting. The emphasis is placed on PROFIBUS PA.

The training is internationally recognized and certified by the PROFIBUS organization.

Prerequisites Basic knowledge of computers, electronics and mathematics.

Content With the help of actual hands-on tasks you will learn how PROFIBUS fieldbus technology works in detail. The emphasis is PROFIBUS PA for the process automation industry. Features like system design and commissioning are topics as well as diagnostics and troubleshooting.

Theory

- PROFIBUS organization and structure
- From analog to digital communication
- Physical layer of PROFIBUS PA
- PROFIBUS components
- Installation and commissioning
- Device integration
- Diagnosis and status
- Parameters and configuration
- Token handling
- Cyclic and acyclic communication
- FISCO and Ex concepts
- Cycle time calculation and bus parameters
- Troubleshooting on physical layer
- Identification and solving of communication problems

Practice

- Wiring of a PA bus segment
- Commissioning with acyclic tools
- Cyclic communication and data handling
- Device Integration (ABB, Siemens, Rockwell, ...)
- Signal measurement and evaluation with oscilloscope
- Current and voltage measurement
- Handling of up-to-date bus analyzers
- Commissioning of demo plant
- Device replacement/troubleshooting

Endress+Hauser
People for Process Automation

The certified PROFIBUS PA Engineer training course is an intensive four-day program including DP topics as well.
We (Endress+Hauser) are an officially accredited PROFIBUS International Competence and Training Center. (PICC and PITC) and conduct many technical courses that cover fieldbus technology.

For many years now we have carried out vendor-independent and internationally recognized PROFIBUS training for companies in many different industries. We offer end users the extensive experience of Endress+Hauser in process automation as well as our extensive experience in training technicians and engineers in PROFIBUS DP and PA certified technology courses.

This program is officially recognized by PROFIBUS International and represents a worldwide training standard.

During the first three days the trainee gains a thorough base of knowledge, both in theory and practice regarding PROFIBUS PA and parts of DP technology. On the fourth day the program finishes with an exam. The lessons build upon each other in a way that the depth of the course steadily intensifies while core topics are brought home through repetition and the participants personal hands-on experience.

Target audience:
This course is intended for anyone who has to understand the theoretical and practical aspects of PROFIBUS PA as well as parts of DP.

Training methodology:
Theory (In the morning) + practice (afternoon)

Duration:
3 Days training + 1 Day exam = 4 Days

Place:
Endress+Hauser Shah Alam's office

Course language:
The training will be conducted in English. The documents are in English as well.

The attendees receive:
Training material, a CD-ROM, writing materials.
Lunch and break refreshments are included

Application Information:

- Course: Certified PROFIBUS PA Engineer Course
- Date of course commencement: **20-23 September 2016**

Terms of Payment:
- Course Fee: RM 4,988 per pax
- 100% Full Payment 1 month before course commencement

Applicant Particulars:

Company Name: .....

Designate Name: .....Designation:.....

Address: .....

Company stamp:.....

Tel: .....Fax: .....Email: .....

Preferred Communication: (Please tick)

☐ By Fax ☐ By Email

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