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المعمل : حبالين، الطاريق العام، عمشيت  
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## 'Certified PROFIBUS Engineer' Training

The 'Certified PROFIBUS Engineer' training is a worldwide recognized training program. It has been standardized by PROFIBUS International to create a quality basis for PROFIBUS qualified persons. The certificate requires the successful completion of an official final examination. The standard 'Certified PROFIBUS Engineer' training is an intensive theoretical and practical 2.5 days program. On the last day, a final examination is carried out. After completing the final examination, the participant is awarded the title 'Certified Engineer' and is officially registered

Distinguish yourself from others and show that you are an expert... you become a certified PROFIBUS Engineer.

PROFIBUS plays a primary part in industrial automation and in most cases Certified Engineer's are the only ones who can carry out the project. Through the valuable Certified Engineer status, companies and its employees can distinguish



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50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
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110	111	112	113	114	115	116	117	118	119
120	121	122	123	124	125	126			



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AUTOMATION, ENERGY & ROBOTICS



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#### Training Topics

##### Basics

Token passing  
Masters and slaves  
Baudrates  
Message formats  
SAPs

##### RS 485 technology

Electrical characteristics  
Topology  
Number of connections  
Spurs  
Termination  
Cable specifications  
Redundancy  
Grounding and shielding

##### Network components

Connectors  
Repeaters  
Active termination  
DP/DP couplers

##### Test and measurement tools

Handheld tools  
Busmonitors  
Oscilloscopes

##### Bus parameters and cycle times

Tslot, Max\_TSDR, etc  
Watchdog  
Repeats  
Min\_Slave\_Intervall  
HSA

##### DP technology

Diagnosis, Parameters and  
Configuration  
Sync and Freeze  
GSD files  
Cyclic and acyclic  
Interface with PLC/DCS

##### Practical exercises

Creating networks with the help of  
configuration tools  
Using ProfiTrace  
Setting bus parameters  
Class 2 functions  
Generating and reading diagnostics  
Troubleshooting

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TrainingDates: To be fixed upon registration

**PI** **PF**  
PROFIBUS • PROFINET



For registration:  
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