

▶ PSSuniversal PLC – Programming and Service



Objective

In this training course on the automation system PSS 4000 you will learn about the benefits of component-based programming. In addition, information will be provided about the control of functions from the PSSuniversal system using I/O modules and options for communication via SafetyNET p.

Simple and versatile configuration even of distributed control systems is illustrated using the software platform PAS4000. Furthermore, sample exercises for the training system are created and tested. The course also covers the use of the troubleshooting function.

Contents

- ▶ Basics of EN/IEC-61131-3 programming and the various programming languages
- ▶ Introduction to state-of-the-art safety technology
- ▶ Physical design: devices, connectors and cables
- ▶ System architecture and networking
- ▶ Safety-related communication: SafetyNET p network configuration
- ▶ Communication between safety and automation
- ▶ Familiarisation with Pilz Automation Suite (PAS4000)
- ▶ Basics of the program editor PASmulti
- ▶ Exercises for component-based programming
- ▶ Basics in SafetyNET p; RTFN and RTFL protocol
- ▶ The basics of Ethernet; physical properties: topologies, extension of networks
- ▶ Diagnostics options and simple troubleshooting
- ▶ Connection to various communication systems
- ▶ Practical exercises
- ▶ Data backup and firmware update

Target Groups

- ▶ Project engineers
- ▶ Design engineers
- ▶ Programmers
- ▶ Commissioning engineers
- ▶ Maintenance engineers

Prerequisites

- ▶ Basic knowledge of electrical engineering
- ▶ Basic PC aptitude

Note

- ▶ The course content considers PSSuniversal PLC as part of the PSS 4000 automation system and is related to the following hardware: PSSu H PLC1 FS (xxx) e.g. PSSu H PLC1 FS SN SD
- ▶ All participants receive a certificate

	In-house training	Pilz training centres	Dates and place
Order number	1T000066		Training courses are run on demand and can be run in your local Pilz office or at your premises.
Duration	2 days *	2 days *	
No. of participants	Up to 4	Up to 4	
Price	\$4000 + expenses	\$4000	

* An additional day can be accommodated for users with limited PLC experience or more exercise time. **Must be arranged at the time of order and costs apply.**



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