

# PROFIBUS Training and Events

## **Certified PROFIBUS Engineer Course 21-24 Sept, 9-12 Nov, 7-10 Dec (Also available on-site for up to 8)**

Engineers wishing to build their careers around PROFIBUS in either industrial or process automation, companies wanting to benchmark their technical staff or consultants seeking a recognised professional qualification in industrial and process networking can now train for an internationally-recognised qualification as a Certified PROFIBUS Engineer. The Certified PROFIBUS Installer Course is a pre-requisite for attending this course.

## **PROFIBUS Engineer Refresher & Recertification Course - week commencing 15 November 2010**

The Certified PROFIBUS Engineer Recertification Module is a full one-day course to enable people who have already gained Certified PROFIBUS Engineer status to keep up to date with current developments and obtain a new 3 Year certificate. The course covers latest developments in PROFIBUS, systems/network design and new functions of instruments such as ProfiTrace.

## **Certified PROFIBUS Installer Course - 20 Sept, 8 Nov, 6 Dec (Also available on-site for up to 12)**

An essential course for electrical engineers and technicians needing to upgrade their skills to include fieldbus installation. This one-day, hands-on course teaches the design, installation and testing of complete PROFIBUS networks including DP, PA and optical fibre technology. Covering bus layout and termination, grounding rules and practices, the course will teach delegates how to avoid common, but potentially expensive, installation problems.

## **PROFIBUS Commissioning & Maintenance Course - 21 Sept, 9 Nov, 7 Dec (Also available on-site for up to 8)**

A new one-day course designed as an add-on to the Certified PROFIBUS Installer Course. Covering the practical techniques of faultfinding on "operational" PROFIBUS networks. Techniques taught on the course include the use of a modern PROFIBUS analyser and Class-II master (engineering tool) to diagnose network faults, device faults and I/O problems. Students also learn how to use a soft digital storage oscilloscope in conjunction with these tools to diagnose and accurately locate cable, connection and device faults. The Certified PROFIBUS Installer Course is a pre-requisite for attending this course.

## **System Design Course - tba**

A one-day course covering the optimal design of networked automation and control systems. Centred on PROFIBUS and PROFINET technology, but also covering the use of Ethernet & AS-i technology and system software. The System Design Course builds on the basic knowledge of the Certified Installer and provides additional knowledge on designing not only PROFIBUS systems, but also how to use Ethernet, PROFINET and other technologies appropriately. The Certified PROFIBUS Installer Course is a pre-requisite for attending this course.

## **Basic PLC Programming Course - 22-23 Nov 2010 (Also available on-site for up to 8)**

A new two-day course designed for those with no previous programming experience. It covers basic ladder and function block programming and leads on to the Certified Open-PLC Engineer Course.

## **Certified Open-PLC Engineer Training - 24-26 Nov 2010 (Also available on-site for up to 8)**

The PROFIBUS Competence Centre at Manchester Metropolitan University (MMU) in the UK has introduced a 3 day course covering Open-PLC programming using the international standard IEC 61131-3. The course is designed for Engineers and Technicians who want to gain a recognised qualification in open-PLC programming using IEC 61131-3. The course is suitable for experienced Programmers who wish to move to IEC 61131-3 compliant systems.

## **New! CoDeSys V3 training course - 27 - 29 October 2010**

CoDeSys is a widely used system that fully utilises many functions of IEC61131. CoDeSys Version 3, released in 2006, has set a new standard in object-oriented programming for automation tasks. The following are some of the highlights compared to the widely-applied Version 2.3:

- Programming of complete PLC networks including multiple PLCs or controllers within one single project
- Modularisation of the development system in components with separated versions or user defined versions

- Visualisation can be easily extended to new client PCs
- No longer a development system but an open automation engineering platform suitable for extensions and integration of other solutions

CoDeSys V3 Basic is a 3-day training programme, developed and run by the German company, 3S Smart Software Solutions. The course is for everyone who wants to know modern PLC programming. No prior knowledge of CoDeSys V2.3 or other PLC programming skills are required.

The course will be presented by 3S at MMU 27 to 29th October. As an introductory, one-time offer, the course is priced at just £450. Don't miss it!

### [More information](#)

#### **Certified PROFINET Engineer Course - 12-14 Oct 2010**

This training course provides a detailed technical knowledge of the PROFINET technology and the advantages it offers your automation and production processes. At the end of the training there will be a theory exam. Participants who pass get the title Certified PROFINET Engineer and are awarded an official certificate. Successful participants will have the confidence to evaluate PROFINET as a solution for their automation requirements and be able to design a proper application.

#### **PROFIBUS Product Development Course –25 Oct 2010**

A one-day course for product manufacturers and engineering companies who want to develop a PROFIBUS product. If you are a manufacturer of drives, transmitters, or intelligent valve actuators, you need to implement the latest technology in your products. PROFIBUS technology is the wayforward. This one-day course will give you an overview of the technology plus details of the communication protocol, tools and methods to get you started correctly on development of your own PROFIBUS products.

#### **Certified AS-i Engineer Course - TBA (Also available on-site for up to 8)**

Also offered by MMU and bookable through The PROFIBUS Group is this two-day course that teaches the theory and latest practice of the Actuator Sensor Interface. Using a hands-on, practical approach, you will learn how to use AS-i intelligent sensors, actuators and remote I/O in the most efficient and effective way and see how to integrate AS-i into higher fieldbus systems. You will build, configure and exercise your own AS-interface system from scratch. The course also includes an overview of the AS-i "safety at work" profile. Successful graduates will receive a "Certified AS-i Engineer" certificate.

#### **Practical Aspects of PROFIBUS & PROFINET in Factory Automation – Manchester, 5<sup>th</sup> October 2010**

This seminar addresses the key practical issues arising from the use of digital communications technologies in automated manufacturing and advanced engineering applications. Covering the use of PROFIBUS and PROFINET in key application areas such as packaging, printing, electrical and electronics assembly, robotics, automotive engineering, drives, mechanical handling and logistics, control systems and energy management, it focuses on the practical aspects of using PROFIBUS and PROFINET in factory automation applications from system design and safety considerations through to maintenance and fault-finding. Supported by live demonstrations of actual tools used in configuration and maintenance, the programme will be of great value to Designers, Production Engineers and System Engineers involved in design, operation and maintenance of modern automated factories and machinery. [More information and Event Registration:](#)

#### **Practical Aspects of PROFIBUS PA in Process – Manchester, 6<sup>th</sup> October 2010**

This seminar addresses the key practical issues arising from the use of digital fieldbus communications technologies in process and hybrid industries. Covering the use of PROFIBUS PA in key application areas such as Pulp & Paper, Chemical, Utilities, Pharmaceutical, Oil & Gas today, it focuses on the practical aspects of using PROFIBUS in process industry applications from system design and hazardous area considerations through to maintenance and fault-finding. Supported by live demonstrations of actual tools used in calibration and maintenance, the programme will be of great value to Instrument Technicians/Engineers, C&I Engineers and System Engineers involved in design, operation and maintenance of modern process plant. [More information and Event Registration:](#)

#### **PROFIBUS Consultancy**

The PROFIBUS Competence Centre at Manchester Metropolitan University also offers a range of services for PROFIBUS users including on-site consultancy and fault-finding. Contact <mailto:uk@profibus.com> for further details.

## **Keep up to date with our training course opportunities**

Join our mailing list. [Sign up safely](#)

## Fax Back To PROFIBUS Training and Events

### +44 870 141 7378 or email to [admin@uk.profibus.com](mailto:admin@uk.profibus.com)

Please indicate in the right-hand columns the number and cost of the delegate places you require at the following events.

Description	Venue	Course Ref	Date	Price		Number of Places required	Total £
				Member	Non Member		
Certified PROFIBUS Installer Course	MMU	CPI 100920	20 Sept 10	£395	£440		
		CPI 101108	8 Nov 10	£395	£440		
		CPI 101206	6 Dec 10	£395	£440		
PROFIBUS Commissioning and Maintenance Course	MMU	PCM 100921	21 Sept 10	£395	£440		
		PCM 101109	9 Nov 10	£395	£440		
		PCM 101207	7 Dec 10	£395	£440		
PROFIBUS Certified Installer + Commissioning Course	MMU	CIM 100920	20 – 21 Sept 10	£725	£800		
		CIM 101108	8 – 9 Nov 10	£725	£800		
		CIM 101206	6 – 7 Dec 10	£725	£800		
Certified PROFIBUS Engineer course, includes Commissioning & Maintenance module (PROFIBUS Certified Installer a pre-requisite)	MMU	CME 100921	21 – 24 Sept 10	£1500	£1700		
		CME 101109	9 – 12 Nov 10	£1500	£1700		
		CME 101207	7 – 10 Dec 10	£1500	£1700		
Certified PROFIBUS Engineer Course including Certified Installer + Commissioning Module	MMU	CIE 100920	20 – 24 Sept 10	£1780	£1990		
		CIE 101108	8 – 12 Nov 10	£1780	£1990		
		CIE 101206	6 – 10 Dec 10	£1780	£1990		

## Fax Back To PROFIBUS Training and Events

### +44 870 141 7378 or email to [admin@uk.profibus.com](mailto:admin@uk.profibus.com)

Please indicate in the right-hand columns the number and cost of the delegate places you require at the following events.

Description	Venue	Course Ref	Date	Price		Number of Places required	Total £
				Member	Non Member		
PROFIBUS Engineer Refresher & Recertification	MMU	CPA 100928	28 Sept 10	£395	£440		
System Design Course	MMU	SDC	tba	£350	£390		
Certified PROFIBUS Installer + Design Course	MMU	CID	tba	£690	£760		
PROFIBUS Product Development Course	MMU	PDC 101025	25 Oct 10	£350	£390		
Basic PLC Programming Course	MMU	BPC 101122	22 - 23 Nov 10	£480	£520		
Certified Open-PLC Engineer Course	MMU	COP 101124	24 - 26 Nov 10	£1090	£1190		
Basic + Certified Open PLC Course	MMU	BCO 101122	22 - 26 Nov 10	£1490	£1590		
CoDeSys V3 Basic	MMU	CV3 101027	27 - 29 Oct 10	£450	£450		
Certified PROFINET Engineer Course	MMU	CNE 101012	12 - 14 Oct 10	£1500	£1600		
Certified AS-i Engineer Course	MMU	TBA		£590	£625		
Practical Aspects of PROFIBUS PA in Process					<a href="#">Event Registration</a>		
Practical Aspects of PROFIBUS & PROFINET in Factory Automation					<a href="#">Event Registration</a>		
Note: Chargeable events include lunch and beverages – please note here if you have special dietary requirements:				<b>TOTAL            £</b>			

