

# PROFIBUS Training and Events

**Certified PROFIBUS Engineer Course 16-19 Mar, 18-21 May, 13-16 July, 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 - 28 Sept 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 - 15 Mar, 17 May, 12 July, 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 - 16 Mar, 18 May, 13 July, 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 - 10-11 May, 24-25 May, 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 - 12-14 May, 26-28 May, 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.

### **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.

### **PROFINET Product Development Course - with Manfred Popp! 5 May 2010**

With both TCP/IP and real-time protocols, PROFINET will be the future backbone network linking lower level fieldbus instruments and upper level enterprise functions making information technology an increasingly integral part of the automation industry. Does your workforce have the knowledge and skill to develop, design and maintain industrial networks? This training course is for both PROFINET product developers and for a wide range of audience who wants to know PROFINET and industrial Ethernet. The course content is carefully selected to fit into a one-day schedule and contains the most important aspects of PROFINET. The course has been delivered in Germany for a number of years and will be a unique experience for the UK audience. **Downloads:** [Brochure](#)

### **PROFIBUS Product Development Course –24 June, 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 - 22-23 June 2010 (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**

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## 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 100209	9 Feb 10	£395	£440		
		CPI 100315	15 Mar 10	£395	£440		
		CPI 100517	17 May 10	£395	£440		
		CPI 100712	12 July 10	£395	£440		
		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 100210	10 Feb 10	£395	£440		
		PCM 100316	16 Mar 10	£395	£440		
		PCM 100518	18 May 10	£395	£440		
		PCM 100713	13 July 10	£395	£440		
		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 100209	9 – 10 Feb 10	£725	£800		
		CIM 100315	15 – 16 Mar 10	£725	£800		
		CIM 100517	17 – 18 May 10	£725	£800		
		CIM 100712	12 – 13 July 10	£725	£800		
		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 100316	16 – 19 Mar 10	£1500	£1700		
		CME 100518	18 – 21 May 10	£1500	£1700		
		CME 100713	13 – 16 July 10	£1500	£1700		
		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 100315	15 – 19 Mar 10	£1780	£1990		
		CIE 100517	17 – 21 May 10	£1780	£1990		
		CIE 100712	12 – 16 July 10	£1780	£1990		
		CIE 100920	20 – 24 Sept 10	£1780	£1990		
		CIE 101108	8 – 12 Nov 10	£1780	£1990		
		CIE 101206	6 – 10 Dec 10	£1780	£1990		

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				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 100624	24 June 10	£350	£390		
		PDC 101025	25 Oct 10	£350	£390		
Basic PLC Programming Course	MMU	BPC 100201	1 - 2 Feb 10	£480	£520		
		BPC 100510	10 - 11 May 10	£480	£520		
		BPC 100531	24- 25 May 10	£480	£520		
		BPC 101122	22 - 23 Nov 10	£480	£520		
Certified Open-PLC Engineer Course	MMU	COP 100203	3 - 5 Feb 10	£1090	£1190		
		COP 100512	12 - 14 May 10	£1090	£1190		
		COP 100526	26 - 28 May 10	£1090	£1190		
		COP 101124	24 - 26 Nov 10	£1090	£1190		
Basic + Certified Open PLC Course	MMU	BCO 100201	1 - 5 Feb 10	£1490	£1590		
		BCO 100510	10 - 14 May 10	£1490	£1590		
		BCO 100524	24 - 28 May 10	£1490	£1590		
		BCO 101122	22 - 26 Nov 10	£1490	£1590		
Certified PROFINET Engineer Course	MMU	CNE 100216	16 - 18 Feb 10	£1500	£1600		
		CNE 101012	12 - 14 Oct 10	£1500	£1600		
Certified AS-i Engineer Course	MMU	CAS 100223	23 - 24 Feb 10	£590	£625		
		CAS 100622	22 - 23 June 10	£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>		
PROFIBUS & PROFINET User Conference					<a href="#">Event Registration</a>		
Note: Chargeable events include lunch and beverages – please note here if you have special dietary requirements:				<b>TOTAL                    £</b>			

