

Maintaining PROFIBUS and PROFINET reliability despite modern industrial environments

A one-day training course by PROFIBUS and PROFINET expert Peter Thomas (Control Specialists Ltd), and EMC expert Keith Armstrong (Cherry Clough Consultants Ltd), organised by EMC Exhibitions & Training Ltd.

EMI is rapidly increasing in modern industry due to the increasing use of high-efficiency switching power conversion in DC power supplies, motor drives, HVAC and lighting.

This training course provides all the necessary information on well-proven practical techniques for reducing EMI in PROFIBUS and PROFINET systems, now and in the future.

Date Wednesday 22nd November 2017

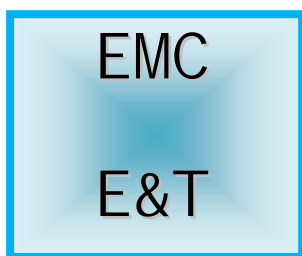
Location Endress + Hauser in Manchester

Programme

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|-------|---|--------------------------------|
| 08.30 | Registration & Refreshments on Arrival | |
| 09.00 | Modern EMI problems with PROFIBUS and PROFINET | Peter Thomas |
| 09.30 | Introduction to the modern EMI problem
EMC Directive, Lightning protection for electronics, IEE Wiring Regulations (BS7671),
Overview of the overall EMI control procedure. | Keith Armstrong |
| 10.30 | Refreshment Break | |
| 10.45 | General EMC practices for systems and installations
Power distribution systems, power quality, galvanic isolation, routing send and return current paths together, segregation of apparatus and their supplies, grounding and the bonding ring conductor, cable classification, segregation and routing; parallel earth conductors (PECs). | Keith Armstrong |
| 12.30 | Buffet Lunch | |
| 13.30 | Additional EMI Mitigation Techniques
EM Zoning, Mesh bonding and creating an RF Reference; What if you can't use mesh-bonding; RF bonding techniques; Terminating cable shields at both ends; Choosing and using filters; Cable shielding; Shielding for EM Zones; Surge and Lightning protection | Keith Armstrong |
| 15.00 | Refreshment Break | |
| 15.15 | Additional EMI Mitigation Techniques (continued...) | Keith Armstrong |
| 16.15 | Questions and answers, discussions | Peter Thomas & Keith Armstrong |
| 16.45 | Finish | |

The cost including refreshments, lunch, and proceedings on a CD, is £350 plus VAT

For more details or to book, visit www.emc-eandt.com or email Alan at aws-emc@talktalk.net



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