

Course Description

All courses include light refreshments, lunch, one Schneider Electric polo shirt, and course materials. Venue details will be sent prior to commencement.

PDL Planner PDLP – Half-Day

The PDL Planner software package is designed to assist electricians in both planning the electrical layout of a building, and presenting plans to customers in a professional manner. The program produces a Bill of Materials, Colour Coded Plans, Extras List, Picture Report, Quote and Invoice that are all needed for the installation. This half-day course covers the registration, set up and full use of the PDL Planner Software Package. (Note: bring your own laptop to the training to participate)

LexCom Home Network LHN – Half-Day

This course will introduce you to the LexCom Home Network system. It will cover all aspects of the system, from a basic introduction to all of the parts that make up a LexCom system, through to advanced installation and testing of the system. We will also cover the practical aspects of installing and wiring the LexCom connectors.

StarServe SSV – Half-Day

This course will introduce you to the Clipsal StarServe Home Network system. It will cover all aspects of the system, from a basic introduction to all of the parts that make up a StarServe system, through to advanced installation and testing of the system. We will also cover the practical aspects of installing and wiring the StarServe system.

Machine Safeguarding IMC1 – Half-Day

With the increasing development of fast, automated manufacturing processes in today's industrial workplaces, even greater accountability is being placed on employers for workers' safety. This course covers basic principles of machine safety from an electrical perspective. It looks at industrial accidents, hazards and dangerous phenomena; details the risk evaluation process and the categories of safety, safety techniques and typical safety circuits. An overview of safety products and their application is also included.

Machine Sensors IMC2 – Half-Day

This course covers basic principles of machine sensors and selection of product to suit sensing applications.

Low Voltage Network Design DE2 – 1 Day

This course gives you an understanding of the importance co-ordination plays in the design of a low voltage distribution network. Today, more than ever, understanding, monitoring and controlling your low voltage distribution network is essential for industry to ensure energy is constantly available and managed as economically as possible. Production facilities, plants, commercial buildings and offices are often 24hr operations, with continuity of supply paramount. If there is a clear understanding of the low voltage network then proper decisions can be made as and when required. With the new software "My Ecodial L" the user can comprehensively design for new additions and check his existing network parameters.

Power Factor PFM – Half-Day

This is a good entry-level training course demonstrating the basic principles of what, how and where power factor correction should be used in a low voltage distribution network. You will learn about active and reactive power and how these values determine the energy you use and ultimately pay for. You will also look at the products, technologies and general principles of power factor correction that when applied correctly will improve a network's power.

Fundamentals of Variable Speed Drives and Soft Starters VVD1 – 2 Days

Covers the construction and operating characteristics of three-phase induction motors, variable speed drives and soft starters. Principles of variable voltage, variable frequency, (VVVF) speed control and closed loop flux vector speed/ torque control of a three-phase induction motor. Presentations and practical hands-on exercises on the Telemecanique Altivar 31 and Altivar 71/61 variable speed drives using the supplied workbooks and training units. Basic set-up and commissioning using PowerSuite software and installation and fault-finding procedures for the Altivar variable speed drives. Demonstration on potential energy savings with variable speed drives on fan/pump applications using the Eco 8 software. Detailed presentation on the Altistart 48 soft starter and the principles of SCR phase control. Concept of electronic soft starters using voltage ramp, current limitation and torque control. This course is suited for electricians, technicians and maintenance staff.

Drives – Pumping Applications VVD2 – 1 Day

This is a hands-on course covering multi-pump and lead pump applications. A test rig is used comprising four pumps paralleled across an inlet and outlet manifold, with pressure and flow sensors at the discharge of the outlet manifold.

Zelio Logic LEC – 1 Day

This course introduces you to logic relays. The Smart relay has introduced a new dimension in design of circuits for simple machines and in the building services environment. The possibilities are endless and can be easily achieved by using modules from 10 to 40 I/O. Their ease of setting up provides a competitive alternative to solutions based on cabled logic or specific cards. This course also covers the more advanced features of Zelio Logic, Modbus communications, Sequential Flow Chart programming, and more advanced maths and function blocks. (Note: bring your own laptop to the training to participate)

Twido PLC AUT1 – 2 Days

Twido is the base line of our PLC range, and as such forms the foundation of our range. Knowing how and why the Twido works is the first step up the PLC ladder. This course will teach from the very basics of Industrial Automation to some of the more advanced functions that Twido can deliver. Throughout the course you will receive hands-on examples with Twido Suite and Twido PLCs.

Twido Advanced AUT2 – 1 Day

For the more advanced user of Twido we now offer communications and small HMI as an add-on to the Twido training. This is a one-day course following on from the two-day basic course. All attendees must have a working ability with Twido or have attended the Basic course.

Unity Pro Standard PLC Programming AUT3 – 2 Days

Unity Pro is the latest generation PLC programming software from Schneider Electric. In this two-day course the student will be introduced to the Modicon M340, Premium and Quantum hardware, and the Unity Pro environment. It serves as an introduction to IEC programming languages (Ladder, Structured Text, Function Block Diagram, Sequential Function Chart and Instruction List) for those who wish to advance beyond traditional ladder logic. Hands-on programming through the use of practical labs and the built-in simulator reinforce understanding of this powerful software tool.

Unity Pro Advanced 1 – Ethernet Networking AUT4 – 1 Day

Unity Pro is the latest generation PLC programming software from Schneider Electric. This one-day course is a logical extension to the Unity Standard Course and designed to introduce Unity programmers to CANbus Communications techniques available in the Unity Pro IEC61131 environment. In this hands-on course, students establish communications from PLC to PLC, and PLC to ATV71 Variable Speed Drives.

Unity Pro Advanced 2 – Ethernet Basics and ConneXview AUT5 – 1 Day

Ethernet is emerging as the preferred control network for connecting SCADA, HMI, PLC and VSD systems. This one-day course covers Ethernet Basics for Industrial Networks and the use of ConneXview diagnostic software for maintenance of these systems.

Unity Pro – CANopen Communications to Advantys I/O and ATV VSDs AUT6 – 1 Day

This one-day course is a logical extension to the Unity Standard Course and designed to introduce Unity programmers to CANbus Communications techniques available in the Unity Pro IEC61131 environment. In this hands-on course, students establish communications from an M340 PLC, to a number of CANopen devices.

Vijeo Designer AUT7 – 2 Days

Vijeo Designer is the configuration software for the Magelis XBTG range of touch screen HMI. You will become familiar with the features offered by the XBTG range and upon completion of this two-day course you will be able to install the Vijeo Designer software, develop an application and run it on XBT-G. A number of practical labs are included in the course which, when completed, are run on the Vijeo Designer simulator. A knowledge of PLC programming and addressing is required and knowledge of HMI products an advantage.

Citect SCADA Configuration CIT1 – 3 Days

Gain insight into Citect SCADA project design and become familiar with configuration techniques. This hands-on course includes practice with plant control, data collection, trending and reporting.

Citect SCADA Networking and Architecture CIT2 – 2 Days

Gain advanced skills including knowledge of the principles behind networking in Citect SCADA, such as how Citect SCADA uses a network, redundancy and distributed servers. Learn more about the Citect Kernel and connecting to Citect SCADA remotely through the Internet Display Client, Web Client and Citect SCADA Pocket. Course documentation and a copy of the product developed during the course will be supplied.

Citect SCADA Customisation and Design CIT3 – 3 Days

This hands-on course will give you insight into the principles behind customising Citect SCADA. You will be using different programming techniques including Cicode and VBA. In addition, you will learn about the Citect Kernel and exchanging data between Citect SCADA and other applications such as Microsoft Access and Excel. Course documentation and a copy of the product developed during the course will be supplied.

Citect SCADA Cicode Programming CIT4 – 2 Days

Learn about basic programming techniques using the Cicode programming language in this hands-on course. The course is aimed at the user who has had no programming experience. It is also useful for the experienced user who wishes to become familiar with Cicode. Course documentation and a copy of the project developed during the course will be supplied.

Citect SCADA Reports CIT5 – 3 Days

Upon completing this course you will be able to develop customised plant information portals that aggregate and share information between all types of plant control systems, MES/ERP application databases and users throughout your enterprise. You will be able to develop analysis and data transfer tools using standard Microsoft technologies that are easy to deploy, maintain and learn.

Citect SCADA Upgrade CIT6 – 1 Day

Receive an update to Citect SCADA project design and configuration techniques, and view the newest product features.

Clipsal Datacomms Structured Cabling CLIP1 – 2 Days

This course teaches the importance of quality cable cross connect product and installation techniques in providing overall transmission performance. It will also cover use of standards and system design principles for maximum performance and reliability. Specific instruction is given in the correct use of Clipsal product range in cabling infrastructure.

Clipsal Datacomms UPT Testing Workshop CLIP2 – 1 Day

The UTP Testing Workshop is a new innovation in certification programmes, independent of tester manufactures. The course is designed to enhance the knowledge of the industry professional.

Clipsal Datacomms Fibre Optic Testing Workshop CLIP3 – 1 Day

The Clipsal Fibre Optic Testing Workshop is a new innovation in certification programmes, independent of tester manufactures. The course is designed to enhance the knowledge of the industry professional.

Clipsal C-Bus Basics CLIP4 – 3 Days

The C-Bus Basics training course aims at offering an overview of various different topics and concepts related to the C-Bus product range.

Clipsal C-Bus Touch Screens CLIP5 – 2 Days

The C-Bus Touch Screens training course aims at offering an overview of various different topics and concepts related to the C-Bus Touch Screen product range.

Clipsal C-Bus Logic CLIP6 – 2 Days

The C-Bus Logic training course aims at offering an overview of various different topics and concepts related to the C-Bus product range.

Clipsal C-Bus Multi-Room Audio (on demand) CLIP7 – 1 Day

The C-Bus Multi-Room Audio training course aims at offering an overview of various different topics and concepts related to the installation of the C-Bus Multi-Room Audio product range.

Medium Voltage Indoor Outdoor Switchgear MV1 – 2 Days

The Medium Voltage Switchgear Training Course covers the operation and maintenance of Schneider Electric's range of medium voltage indoor and outdoor switchgear. This includes ring main units, SF6 and vacuum switches.

Medium Voltage Protection Relays MV2 – 4 Days

The purpose of the Medium Voltage Protection Relay Training Course is to give Protection Application Engineers a high level of knowledge on the Sepam range of protection relays and application software.

2008

Training Schedule



Easy ways to register

Phone (09) 829 0490, Fax (09) 829 0491 or Email courses@nz.schneider-electric.com
online @ www.schneider-electric.co.nz

Terms and Conditions:

Enrolment: Registration together with payment should be made 10 days in advance of the start date of the course. Enrolments will be confirmed by email and/or phone 10 working days prior to the course commencement date. Enrolment can be made by forwarding the registration form with payment to Schneider Electric Course Enrolment, PO Box 15 355, New Lynn, Waitakere 0640.

Pricing: Course fees are payable in advance and cover the cost of tuition, instructional manuals, course materials, the use of equipment and the cost of lunches/refreshments. All course fees are exclusive of GST. Prices are shown in New Zealand dollars and are subject to change without notice.

Course Documentation: Published course descriptions are for general reference only. Course documentation and printed material provided in Schneider Electric training courses is copyrighted and may not be reproduced without prior consent. No audio or visual recording of Schneider Electric training courses, or of Schneider Electric personnel teaching such courses, may be taken or reproduced electronically without prior written consent.

General: Schneider Electric reserves the right to change course schedules, discontinue courses, modify course content, limit class size, and cancel courses.

Refund and Cancellation Policy: Requests for cancellations and transfers must be received in writing and acknowledged by Schneider Electric.

*Full refund of course fees will be given for cancellations received up to 10 working days prior to course commencement. *The full course fee will be charged for cancellations received within 10 working days prior to course commencement. Suitably qualified replacements are welcome, provided they register prior to commencement on the first day of the course.



