

Training courses

Name	Description	Price Exc gst	Duration of the course
Vijeo Designer	Vijeo Designer is the configuration software for the Magelis range of touch screen HMI. You will become familiar with the features offered by the HMI range and upon completion of this 2 day course you will be able to install the Vijeo Designer software, develop an application and run it on screen. A number of practical labs are included in the course, which when completed are run on the Vijeo Designer simulator. Knowledge of PLC programming and addressing is required, and knowledge of HMI products is an advantage	<ul style="list-style-type: none"> • \$800 p/p Or • \$2000 + Travel 	<ul style="list-style-type: none"> • 2 days
Unity Pro PLC	Unity is the Application PLC Programming Software for Schneider Electric's larger process type PLC's such as M340, M580, Quantum and Premium PLC's. This training course serves as an introduction to IEC 61131 Programming Languages (Ladder, Structured Text, Function Block Diagram and Sequential Function Chart.) Hands on programming through the use of practical examples, and a built in simulator reinforce understanding of this powerful software tool. UDP Publish and Subscribe communications between PLC's, Modbus TCP/IP communications between PLC's, and to an ATV630 Variable Speed Drive, will be covered in this training course. The PID Function Block will also be covered.	<ul style="list-style-type: none"> • \$1200 pp Or • \$4500 + Travel 	<ul style="list-style-type: none"> • 3 days
Unity Ethernet-IP (Industrial Protocol); Unity DMT (Device Type Management)	Ethernet-IP is the open standard from ODVA (Open Device Vendors Association). An M340 NOC Communications module will be configured to connect an ATV630 Variable Speed Drive, to demonstrate Ethernet-IP communications. Device Type Management allows another Device to be connected to the PLC, and accessed through Unity. An ATV630 Variable Speed Drive will be configured by accessing SoMove VSD Configuration Software, through Unity. All Students must have attended both the Unity and VSD Training courses, before taking part in this training.	<ul style="list-style-type: none"> • \$450 pp Or • \$1200 + Travel 	<ul style="list-style-type: none"> • 1 day
Variable Speed Drives	This course provides an introduction to Altivar variable speed drives. The basic principles of AC motors and variable speed drives are discussed, with hands-on workshop exercises using Altivar Process and/or Altivar 71 drives. Drives related topics such as energy saving, EMC, harmonics, installation practices may be discussed. Software tools to assist configuration, monitoring, and optimisation of the drive system are demonstrated. Note: It is advised to bring your own laptop with the latest version of SoMove configuration software pre-loaded.	<ul style="list-style-type: none"> • \$300 pp Or • \$900 + Travel 	<ul style="list-style-type: none"> • 1 day

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So Machine Basic	SoMachine Basic is the Application Programming Software specifically for M221 PLC. M221 is Schneider Electric's entry level PLC, and is programmed in Ladder Logic or Grafcet. (Grafcet is a simplified version of Sequential Function Chart). This course will teach the basics of PLC Ladder Logic, with Timers, Counters, Sequencers and Bit Shifters. Please Note, the SoMachine Basic Programming environment with Ladder Logic and Grafcet, is not a cut down version of the SoMachine IEC 61131 programming environment used with M241 and M251.	<ul style="list-style-type: none"> • 800 pp Or • \$2400 + Travel 	<ul style="list-style-type: none"> • 2 days
So Machine Configuration	SoMachine is the Application Programming Software for Schneider Electric's small PLC's (but not the M221), and HMI Controllers. It is IEC 61131 compliant, with six programming languages. Function Block Diagram, Sequential Function Chart, Structured Text, Instruction List, Ladder Logic and Continuous Function Chart. Derived or User Created Function Blocks (DFB's), Derived Data Types or Data User Types (DUT's), On-Line Changes, Watch Windows and Simulation will all be covered in this three day training course. The Controller will be configured to communicate with an ATV630 Variable Speed Drive using Modbus TCP/IP. A brief overview of configuring UDP SoMachine Variables for use with Vijeo Designer version 6.2, will be covered also.	<ul style="list-style-type: none"> • \$1,200pp Or • \$4500 + Travel 	<ul style="list-style-type: none"> • 3 days
Datacomms Structured Cabling	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 Schneider Electric's product range in cabling infrastructure.	<ul style="list-style-type: none"> • \$600 pp 	<ul style="list-style-type: none"> • 2 days
Zelio	Zelio Soft is the Application Programming Software for configuring Zelio Smart Relays. Zelio Smart Relays range from 10 to 40 I/O, and their ease of setting up provides a competitive alternative to small control solutions based on timers, counters, and hard wired relay logic. Zelio Soft programming is done using ladder logic, or a mixture of Function Block Diagram, Sequential Function Chart and Boolean Logic Gates. (Note: Bring your own laptop to training to participate).	<ul style="list-style-type: none"> • \$300 pp 	<ul style="list-style-type: none"> • 1 day
Vijeo Citect Configuration	Gain insight into Vijeo Citect SCADA project design and become familiar with configuration techniques. This hands-on course includes practice with plant control, data collection, trending and reporting.	<ul style="list-style-type: none"> • \$1200 pp 	<ul style="list-style-type: none"> • 3 days