

Unity –PLC Configuration and Programming Software - Advanced

Course Code: AUT4

Duration: 1 Day

Cost: \$600 excl GST

Course Purpose:

Unity Pro is the latest generation PLC programming software from Schneider Electric.

This 1-day course is a logical extension to the Unity Standard Course and designed to introduce Unity programmers to Ethernet 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.

Prerequisite Knowledge:

Unity Pro Standard Course and/or experience with Unity Pro software. Exposure to Ethernet communications.

Course Objectives:

Upon completion of this course, you will be able to:

- Understand the application of Ethernet communications with Schneider Quantum, Premium and M340 PLC's.
- Develop and use Derived Function Blocks, structured data types and IO Data types with communications objects.
- Debug and maintain Quantum, Premium and M340 PLC's communications.

Target Audience:

This PLC course is designed for persons having previous Unity Pro programming experience who wish to learn additional practical techniques.

Course Content:

Ethernet Comms using:

1. I/O Scanning.
2. Global Data.
3. Messaging.
4. Read Variables Function Block.
5. Write Variables Function Block
6. Ethernet Comms to Schneider Electric Variable Speed Drive ATV71
7. Ethernet PLC Port Fault Diagnostics using Unity Pro.

Duration and Delivery:

- a. One Day Training Course
- b. In – class sessions at Schneider Electric training rooms, and hotel conference facilities at main centres though out New Zealand.