

# 1/2 DAY MODBUS COMMUNICATIONS COURSE

## Training Presented by Listo Ltd

### WHO SHOULD ATTEND?

- Multi-skilled technicians
- Software Engineers

### STUDENTS WILL BE ABLE TO:

- Understand network structures
- Understand Station & Unit addressing
- Cabling requirements
- Simple programming

### INCLUDED IN COURSE:

The Listo training philosophy is to build participants knowledge through step by step building blocks that ultimately result in a live project that can be simulated on a test rig

### STUDENTS WILL BE ABLE TO:

Starting with the basic functions, the participants learn to build the project in bite-size chunks ensuring knowledge transfer and retention.

The course assessment ensures validation of participants knowledge and commitment



### OPTIONAL HARDWARE/SOFTWARE

- Modbus MA-E8X8YR Digital Slave Module
- Modbus MA-4AD2DA Analog Slave Module
- Software

### COURSE TUTOR

Gerard has worked in the automation industry for two decades and has experience of projects across the sphere of industrial application, including the petrochemical, pharmaceutical, water, food, drinks and sea industries.

Please email queries and booking requests to:

**TRAINING@LISTO-LTD.COM**

**COURSE FEE: £185 PER PARTICIPANT OR £290 FOR BOTH HALF DAY COURSES.**

**HARDWARE/SOFTWARE (OPTIONAL) £250**

**COMPLEMENTARY LUNCH INCLUDED ON ALL FULL DAY BOOKINGS**

### COURSE SYLLABUS

The majority of the course involves a 'hands-on' approach. With much of the time spent practically using networks to give a good understanding of their operation. The course is carried out on a generic Modbus platform

- Understand the physical network and cabling
- Understanding the Modbus protocols and similarities with other manufacturers
- Master/Slave unit operation
- Addressing of slave units
- Modbus registers and function codes
- Modbus 485 RTU and Modbus TCP/IP both covered



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