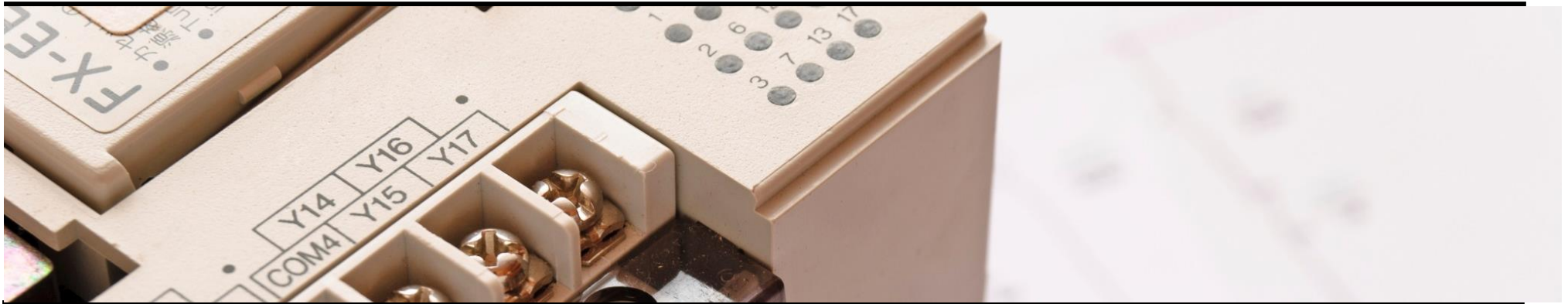


# INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS

## COURSE OUTLINE



### COURSE CONTENTS

- Introduction, applicable Health and Safety
- Relay logic fundamentals
- PLC system structure
- Basic ladder logic
- Programming
- Commenting
- Advanced ladder logic
- Timers and counters
- Digital and Analogue I/O
- Number systems and memory
- Register control
- Memory management
- Project exercises

### BESPOKE TRAINING

Waterside can offer bespoke PLC courses to suit individual company needs. Training can be modified to **incorporate customer process details**, scenarios etc. making the course more directly relevant to staff. Since the course focuses on **generic principles**, training is delivered on Waterside's Mitsubishi FX1S rigs, but details of the specific platforms used by the customer can be integrated. The training rigs are portable, allowing PLC courses to be **delivered at customer sites**. This can be particularly effective when several staff need PLC training.

### Additional Information

The course runs 8.30am until 4.00pm  
Car Parking facilities are provided  
Lunch and refreshments are provided at Waterside  
Course notes will be provided  
This is a 2 day course