

# Fundamentals of Automation



## Target audience

Internal and external commercial staff, including:

- Telesales
- External sales
- Business Development
- Trade counter sales staff
- Technical support staff

## Prerequisite knowledge

- You will be required to complete a pre-course evaluation to ensure this is the right course for your requirements

## Duration and delivery

- A one day course

Training code: IA11

## For further information or registration

- Contact us on 0870 608 8 608 or email us on [GB-Industry-Training@gb.schneider-electric.com](mailto:GB-Industry-Training@gb.schneider-electric.com)

## Objectives

- Understand the fundamentals of an automation solution
- An introduction to smart relays and programmable logic controllers (PLCs)
- Learn the benefits of utilising a programmable device over a relay based solution in an automated electrical control system
- Learn why it is necessary to program the smart relay or PLC

## Content

- Simple ladder programming
- Basic control arrangements (architecture) based around a smart relay or PLC
- The differences between centralised and distributed control
- The common terminology and jargon associated with the products used in automation systems

## Training and teaching method

- Presentations, discussions and demonstrations, with a large proportion of practical exercises and hands-on activities
- Products from our offer will be used to demonstrate or explain learning points throughout the day