

# Fundamentals of Variable Speed Drives and Soft Starts



## Target audience

Individuals interested to learn about industrial control, including;

- Maintenance staff
- Technical support staff
- Industrial control product sales staff

## Prerequisite knowledge

- In order get the most from this training it is recommended that the attendee has knowledge of the fundamentals of industrial controls
- Basic PC skills

## Duration and delivery

- A one day course

## Locations

- Coventry
- Leeds
- Swindon
- Telford

**Training code:** 679-2617

## For further information or registration

- t: 0845 850 9922
- w: [rswww.com](http://rswww.com)

## Objectives

- Understand the basic concepts of variable speed drives (VSD) and soft starts
- Recognise the key aspects of the AC motor that should be considered when using VSDs and soft starts.
- Develop knowledge of the applications where VSDs and soft starts can be used and the benefits they can offer over traditional methods of motor control
- Understand the information required to correctly specify a VSD
- Recognise how VSDs can play a major role in saving energy

## Content

- How VSDs and soft starts work
- Basic AC motor theory
- Applications that can benefit from VSD and soft starts
- VSD setup for standard applications
- Motor and load torque
- VSD energy saving principles

## Training and teaching method

- Presentations, discussions and demonstrations, with practical exercises and hands-on activities
- Products from the Schneider Electric range will be used to demonstrate or explain learning points throughout the day