

Hydraulic System Training – Stage 1

This is the first course in our Hydraulic system training range. The course is typically delivered over 1 day, and trainees will be given the course notes and a work pack.

The subjects covered would be:

- **What is hydraulics?** – how hydraulics was developed, how it is used and where it is used?
- **What is in a hydraulic system?** – a brief look at components that make up a hydraulic system and what their role is.
- **Hydraulic symbols** – what hydraulic symbols are used for, familiarisation of the different types of symbols. A schematic will be shown to the trainees, and they will be asked to identify the components.
- **Hydraulic components** – we will look at all the hydraulic components in a hydraulic system, including pumps, control valves, filters, hydraulic cylinders, instruments, pipes and hoses.

We use Automation Studio to show hydraulic circuit simulations, showing pressure flow and speed so that visualisation can help improve understanding of the concepts.

