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.
- **Working safely with hydraulics** – what are the risks and how do you mitigate the risks>

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

