Hydraulic System Training – Stage 3

This is the current most advanced hydraulic course from MGR Fluid Engineering. 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:

- **Theory** – calculations of pipe and hose pressure drop, heat generation and sizes of hydraulic cylinders.
- **Electro hydraulics** – a look at valves and pumps, how to control flow and pressure electronically
- **Fault finding** – looking at hydraulic schematics and developing a process to trouble shoot theoretical problems.
- **Design exercise** – design a simple hydraulic system to operate a hydraulic motor system in a factory. This will involve calculations of prime mover power, selection of a suitable pump, selection of a hydraulic motor and calculations of heat generation.

