

# HYDROGEN SKILLS ACADEMY

## BFPA Accredited Foundation Course

### Working Safely with Hydraulic Hose & Connectors

The British Fluid Power Association Accredited one-day Foundation Course in Working Safely with Hydraulic Hose & Connectors is aimed at both new and existing personnel who work with hydraulic systems. It also provides the background knowledge required for studying further BFPA Hydraulic courses.

On successful completion, the delegate will be registered with the BFPA Database and receives a certificate together with a high quality course book.

#### COURSE DURATION

- 1 day

#### PRE-REQUISITE

- This course is aimed at learners with no previous experience in hydraulic hose & connectors

#### CERTIFICATION

- BFPA certificate of attendance

#### TRAINER

- Our trainers are certified assessors, and have been accredited by BFPA

#### COST

- Price on application – maximum 6 delegates per course

#### COURSE DETAILS

##### Basic Hydraulic Principles

- Principles of stored energy
- How to determine hose size
- Basic hydraulic circuit
- Contamination

##### Health Safety & Environment

- Legislation & risk management
- Hose assembly safety considerations
- How competency is defined
- Safety while working on hydraulic systems
- Pressure injection & burn injuries

##### Hose & Connector Identification

- Understanding the application
- Hose size, selection & industry standards
- Common end terminations & materials used
- Hydraulic fluid types.

##### Hose Assembly

- Hose measurement
- Assembly of hose and fittings
- Typical sample inspection plan for volume manufacture
- Pressure testing of FHA's
- Cleaning and protecting of FHA's

##### Installation

- Correct installation of adapters and FHA's
- Environmental Conditions
- Good & bad practice when installing FHA's

##### Hose & Connector Failure

- Common reasons for FA failure
- How to reduce / eliminate failures
- Reasons not to re-end FHA's

##### Assessment

- Short answer knowledge questions
- Demonstration with FHA assemblies