

# HYDROGEN SKILLS ACADEMY

## Hydrasun Hydrogen Systems Small Bore Tubing Integration Course

The Hydrasun Hydrogen Systems Small Bore Tubing Integration Awareness training session is designed to provide learners with an understanding of the hazards hydrogen may pose in SBT applications. This training session will also make the learner aware of the current legislative standards and best practices expected when working on high-safety factor hydrogen applications and gas delivery systems. It will also introduce the candidate to a range of fittings and related products which are currently available to safely support hydrogen applications.

On completion of the training, delegates will have a basic level awareness of the principles of how to assemble and disassemble Industrial SBT components and fittings. On successful completion, the delegate will be awarded a Hydrasun certificate of attendance.

### COURSE DURATION

- 1 day

### PRE-REQUISITE

- This course is aimed at learners with no previous experience

### CERTIFICATION

- On successful completion the candidates are awarded with a Hydrasun certificate of attendance

### TRAINER

- Our trainers and assessors have been certified by external accreditation bodies

### COST

- Price on application – maximum 6 delegates per course

### COURSE DETAILS

#### Module One (01) - Health and Safety

- Legislation
- The why
- Working safely

#### Module Two (02) - Understanding hydrogen leaks

- The implications
- Best practice
- Fixed detection
- Key indicators
- Personal detection

#### Module Three (03) - Safe tube fitting installation

- In Hydrogen applications
- Embrittlement and other failures
- Other high-safety factor systems
- Component assembly

#### Module Four (04) - Tube installation

- Clamping
- Support

#### Module Five (05) - Identification of component parts required to make leak free connection

- Society of Automotive Engineers (SAE)
- National Pipe Thread (NPT)
- British Standard Pipe (BSP) etc.

#### Module Six (06) Pressure Testing

- Process isolations
- Gas monitoring
- Pressure test – setup
- Pressure test – related incidents
- Pressure test – the requirements