

# HYDROGEN SKILLS ACADEMY

## Hydrasun Hydrogen Systems Small Bore Tubing Design, Installation & Management

The Hydrasun Hydrogen Systems – Small Bore Tubing Design, Installation and Management two day course has been developed for graduate design/engineering discipline personnel who require increased awareness of Small Bore Tubing design, installation and management in accordance with Energy Institute guidelines and industry best practice.

On successful completion, the delegate will be awarded a Hydrasun certificate of attendance.

### COURSE DURATION

- 2 days

### PRE-REQUISITE

- Would benefit persons from an engineering discipline, but not a necessity

### CERTIFICATION

- Hydrasun certificate of attendance

### TRAINER

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

### COST

- Price on application – maximum 5 delegates per course

### COURSE DETAILS

- HCR safety moment, incl. HSE report on Small Bore Tubing hydrocarbon release data
- Small Bore Tubing considerations and parameters
- Design deliverables, including the items needed to document the different phases of the design process
- Materials selection and corrosion
- Small Bore Tubing connections
- Vibration, its effects and how to prevent it
- Static and dynamic loading
- Close coupling and valve selection
- Knowledge test – practical and written

### COURSE AIMS

- To provide learners with an awareness of the Small Bore Tubing guidelines and associated industry best practice in relation to instrument hook ups, close coupling, vibration mitigation and identification, and avoidance of static and dynamic loads, which will affect Small Bore Tubing systems over time.
- This practical course also aims to provide delegates with an understanding of the calculations used to determine system desing (inc recoils), guidelines on tubing support & spacing, and tube bending arrangements through theoretical instruction and practical activities.