



# Tubing System Design Elements – Hydrogen Applications

## ■ Target Audience

This course is aimed at the existing and graduate design/engineering discipline personnel who require increased awareness of fluid system and small-bore tubing in accordance with industry best practices.

## ■ Course Length

2 Day

## ■ Practical Content

50%

## ■ Theoretical Content

50%

## ■ Course Aims

This training program provides in-depth, comprehensive focus areas beginning with a foundational understanding of hydrogen and progressing through critical aspects such as industry standards, materials science, tubing system design, leak detection, system integrity and maintenance considerations.

The course combines theoretical instruction with hands-on activities including tube fitting installation, basic tube bending, and leak detection to provide attendees with an in-depth understanding of the design considerations for tubing systems in hydrogen applications.

## ■ Course Content

- Hydrogen Basics and Myth Busting
- Industry Breakdown
- Materials Science
- Tubing System Design Considerations
- System Environment Considerations
- Leak Detection
- System Integrity and Maintenance

## ■ Course Delivery

Classroom & Training workshop

## ■ Times of Training

08.30 – 17.00

## ■ Certification

Swagelok® Certificate of Completion, plus wallet card – valid for 3 years

## ■ Instructor

Swagelok® certified trainers

## ■ Swagelok Training Academies

### Swagelok Scotland, Aberdeen

1 Kingshill Park, Venture Drive, Westhill, Aberdeen, AB32 6FL

### Swagelok Scotland, Motherwell

19 Glasgow & Edinburgh Road, Newhouse, Motherwell, ML1 5GJ

### Swagelok Teesside

Unit B, Boho 8, Albert Street, Middlesbrough, Teesside, TS2 1AR

## ■ Contact

Onsite courses are available. For further details, please contact our training team at [scots.training@swagelok.com](mailto:scots.training@swagelok.com) or call +44 (0)1224 759916.

**PART NUMBER:  
SWAGE-TSDE-H2**