

HYDROGEN SKILLS ACADEMY

Hydrasun Flexible Hose Assembly Inspection Awareness Course

This Industrial Small-Bore Tube (SBT) training awareness session is designed to provide personnel with a basic level of awareness and understanding of SBT assemblies commonly found on OEM fluid power equipment and packages. 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.

COURSE DURATION

- 1 day

PRE-REQUISITE

- None

CERTIFICATION

- Hydrasun certificate

TRAINER

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

COST

- Price on application – maximum 6 delegates per course

COURSE DETAILS

Hose inspection course overview

- Energy institute considerations
- HSE considerations

Hose construction

- Component parts
- Rubber and thermoplastic
- Types of reinforcement

Overview of EI Guidelines for the management of Flexible Hose Assemblies

- Lifecycle model and performance
- Design
- Risk analysis

Supply, installation and commissioning of FHA's

- Information supplied with FHA's
- Installation requirements
- Cleanliness and testing of FHA's

Maintenance, inspection and replacement of FHA's

- FHA register
 - Frequency of inspection
 - Inspection
 - What to look for
 - When to condemn
 - Replacement strategy
 - Change of use and decommissioning

FHA connectors

- Thread characteristics
 - Thread functions, forms and sealing methods
 - Tapered
 - Parallel
 - Autoclave

Assessment

- Hydraulic hose construction – practical activity