

HYDROGEN SKILLS ACADEMY

MJI10 - Hand Torque Bolted Connection Techniques (Stage 1)

The Engineering Construction Industry Training Board (ECITB) introduced this Hand Torque training course, with content derived from the MJI10 Mechanical Joint Integrity standard. This course provides delegates with the theoretical knowledge and practical skills required to safely and effectively assemble bolted joints using hand torque methods.

The course is delivered in a modular format and includes both classroom learning and practical activities. Delegates will complete a knowledge test and carry out practical exercises and be assessed by an ECITB approved assessor. Successful candidates will receive a Stage 1 ECITB certificate of training.

COURSE DURATION

- 1 day

PRE-REQUISITE

- This course is aimed at learners with no previous experience

CERTIFICATION

- ECITB Certificate of Training – Valid for 12 Months

(Note: Learners are not deemed technically competent at Stage 1)

TRAINER

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

COST

- Price on application – maximum 4 delegates per course

NOTE

- This course is grant aided for ECITB registered employers

COURSE DETAILS

- Safety, environmental and legislative requirements (HASAWA, PUWER, COSHH, LOLER, PSSR)
- Health and safety in bolting activities including risk assessment, isolation and permit systems
- Identification and use of flanges, gaskets, nuts, bolts and effects of lubrication
- Causes of joint failure and methods to reduce risk
- Interpretation of drawings including P&IDs and isometric diagrams
- Correct selection and use of torque tooling
- Assembly, tightening and disassembly of bolted joints using controlled methods
- Introduction to 4-bolt clamp connectors
- Flange alignment, gasket seating and torque tightening procedures
- Bolt loading, preload, and the effect of relaxation
- Tagging and testing of flange joints to site procedure
- Practical training – 4-bolt, 8-bolt and clamp connector assembly using hand torque

For further information: Tel: +44 (0)1224 618650

Email: training@hydrasun.com

www.hydrasun.com

