

ECITB MJI 10, 18 & 19

MJI 10, 18 & 19 Course Contents

EnerMech's MJI suite of courses are accredited by the ECITB and comply fully with guidance set out by Step Change in Safety in relation to mechanical joint integrity. These courses form stage 1 training for the ECITB's 4-stage competence model.

- Housekeeping, health & safety guidance and regulations
- Overview of HCR issue in North Sea and Step Change drive to reduce HCR by 50% due to HSE demands, good practice and improve skills
- Pipe supports and hangers
- Brittle fracture
- Tooling and equipment (hand, hydraulic torque, flange spreaders, nut splitters, flange alignment)
- Overview of tech drawings, PI&Ds and Isometrics to ensure learners understand systems
- Isolation of pipework systems – correct way to check and isolate before removal, Inspection of components
- Joint identification (flange types, standards, clamp connectors, seal rings, Inspection of components)
- Theory on correct dismantling techniques, inspection of components and assembly techniques for flanges and clamps
- Stress and strain, bolt behaviour, lubrication and thread engagement
- Theory on gaskets used for flanges, clamp connectors
- Re-cap
- Torque calculator assessment
- Tensioning theory
- Tool selection, tool safety and correct de-tension / tensioning techniques
- Tool cover (50%, 100%, pump set-up, grip length and data software)
- Subsea tensioners
- Tensioner safety along with advantages and disadvantages of tensioning
- Joint testing
- Course Assessment – 20 questions pass mark 80%



Certification: On completion of stage 1 of any of the above courses, Candidates will receive an ECITB certificate and will be issued with the relevant Work Based Task Assignment Books to be completed in the workplace.

Candidates wishing to enter for TMJI Technical Tests must complete their logbook within 12 months of initial training. EnerMech are accredited by ECITB to complete the full suite of MJI Technical Tests in stages 3 and 4 of the competence model.