TRAINING

ECITB MECHANICAL JOINT INTEGRITY TRAINING COURSES

Hi-Force is an ECITB (Engineering Construction Industry Training Board) licensed training provider committed to delivering Mechanical Joint Integrity (MJI) training courses that adhere to industry standards and best practices. These courses cater specifically to personnel involved in mechanical joint integrity and flange management activities, ensuring their competency is in line with industry guidelines and client-specific requirements.

Hi-Force takes pride in our trainers' extensive technical knowledge and practical experience. With years of "hands-on" expertise in several industries and applications involving bolted joint technology, our trainers are qualified to deliver exceptional training and are fully proficient in utilizing various mechanical and high-pressure hydraulic tools during the training sessions. They also possess the necessary theoretical and practical expertise to conduct the required Technical Testing (TMJI) as mandated by the ECITB, ensuring delegates receive their completion certificates upon meeting the course requirements.

At Hi-Force, we offer flexible training options to cater to different learning preferences. In addition to instructor-led on-site training at our global training centres, we provide e-Learning and blended learning Mechanical Joint Integrity courses. The e-Learning course is delivered through an interactive online platform, allowing delegates to access the training material and complete the modules at their own pace. Upon successful completion of the online course, delegates will receive an e-Learning Certificate issued by Hi-Force.

The blended learning is a two-part training course, the first part being the e-Learning course followed by a face-to-face practical training session. Delegates who have completed the e-Learning course and received the e-Learning Certificate can proceed to the practical component, which includes a one-day on-site training and assessment session at the Hi-Force training centre. This allows delegates to apply their knowledge in a controlled environment under the guidance of experienced Hi-Force instructors, ensuring competence in mechanical joint integrity practices.

At Hi-Force, health and safety are of paramount importance as we continuously strive to enhance the competence levels of personnel in the bolting industry, aiming to minimize the potential risk of accidents or incidents whenever possible. We are also capable of developing and providing training courses tailored to client specifications and can offer advice on applicable industry standards. Please contact your regional Hi-Force office or local Hi-Force distributor for more details.

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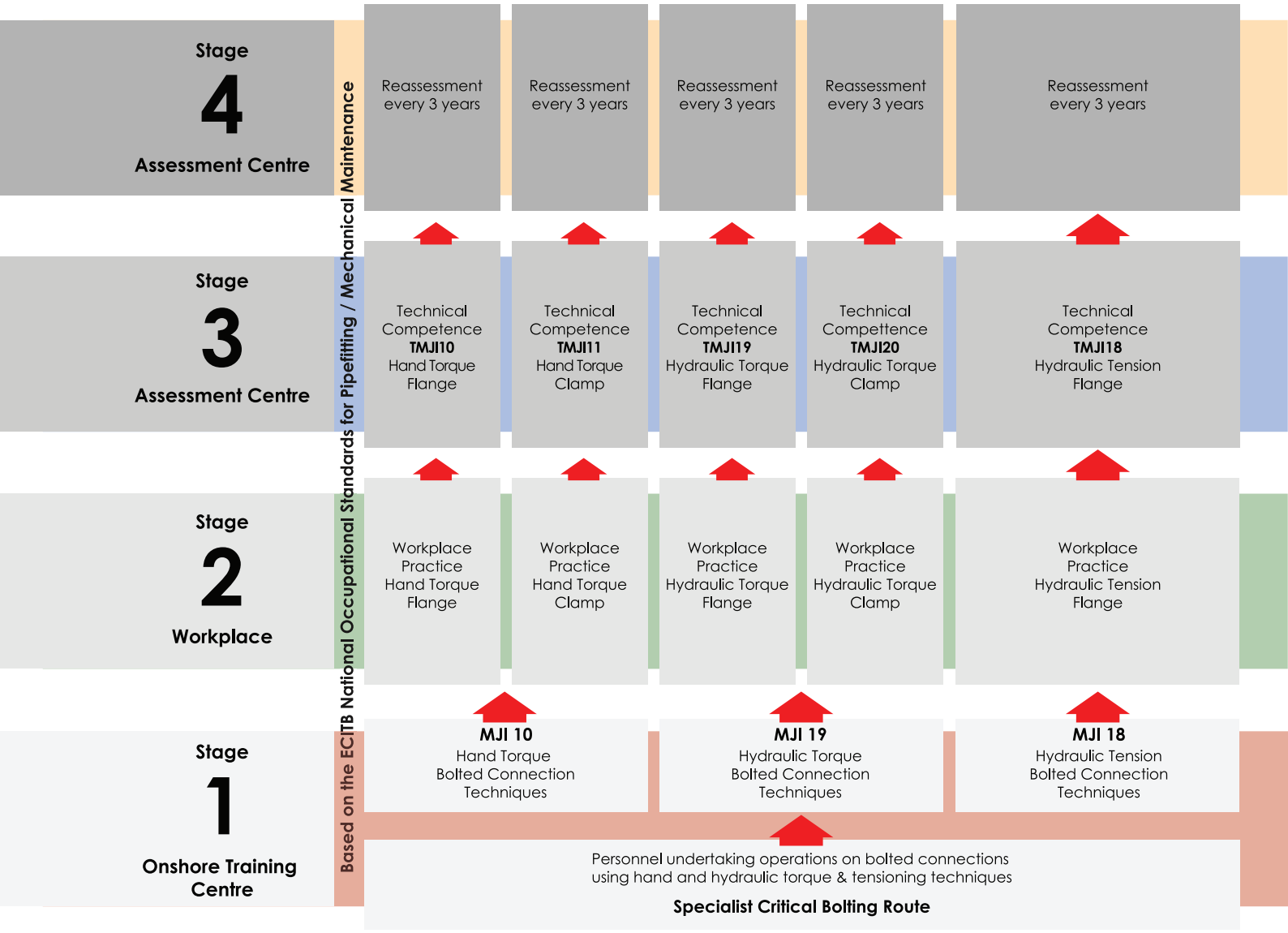
Hi-Force is a member of the ECITB and our Training Schools and Trainers are approved to deliver the following Training Courses and Technical Test Units.

Training (Stages 1 & 2) – "Theoretical & Practical" – Duration 3 days

- MJI10 Hand Torque Bolted Connection Techniques
- MJI18 Hydraulically Tensioned Bolted Connection Techniques
- MJI19 Hydraulically Torqued Bolted Connection Techniques

Technical Tests (Stage 3) – "Theoretical and Practical" – Duration 1½ days

- TMJI10 Dismantle, Assemble and Hand Torque Flanged Joints
- TMJI11 Dismantle, Assemble and Hand Torque Clamp Connectors
- TMJI18 Dismantle, Assemble and Tension Bolted Connections (Hydraulic Tensioning)
- TMJI19 Dismantle, Assemble and Hydraulically Torque Flanged Joints
- TMJI20 Dismantle, Assemble and Hydraulically Torque Clamp Connector Joints



The Four Stage Process to ECITB Accreditation

The overall course consists of two main elements: Training (stages 1 and 2) and Technical Tests (stage 3), both of which include a theoretical and practical component. After completing stage 1 training, delegates must successfully complete a series of workplace-specific practical exercises (stage 2) that reinforce the skills and knowledge acquired during stage 1 before proceeding to the Technical Tests (stage 3). Delegates are expected to complete the Technical Tests within 3 to 12 months following the conclusion of stage 1 training. All ECITB training courses are thoroughly documented, and additional information about the course content can be provided upon request.

Delegates attending the training are registered with the ECITB and successful completion of stages 1, 2, and 3 will earn them their ECITB accreditation certificate. It is important to note that delegates awarded ECITB accreditation must undergo reassessment every three years (stage 4) to maintain the validity of their certification. The duration of this course is one and a half days.

Industry Compliance

Hi-Force continually monitors ASME and European directives and any changes that are introduced and implemented will under guidance of the ECITB, be incorporated into our training modules and applied as required.

Hi-Force ECITB training modules comply with the following training standards and guidelines:

- ASME PCC-1-2013 Appendix A: Guidelines for pressure boundary bolted flange joint assembly
- BS EN 1591-4:2013 Part 4: Flanges and their joints Qualification of personnel competency in the assembly of the bolted connections of critical service pressurized systems