Hi-Force®

HYDRAULIC TOOLS

TRAINING COURSES





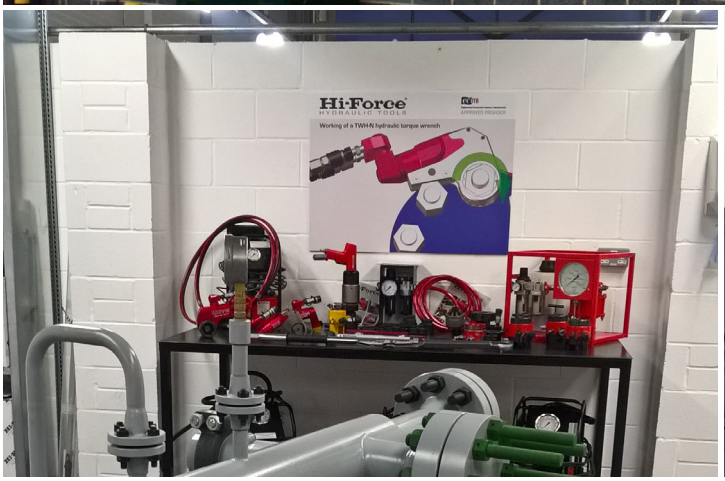
HI-FORCE TRAINING SCHOOL

Hi-Force, the leading UK based manufacturer of high pressure hydraulic tools, has been providing training courses in the safe and proper application, use, operation, service, maintenance and repair of hydraulic tools for several years, however in 2013 Hi-Force has taken its Training Package to a whole new level, with the addition of ECITB (Engineering Construction Industry Training Board) approved Training Courses.

Formal approval was in fact granted by the ECITB towards the end of 2012, however with the opening of our brand new expanded Training School in mid-2013, demand for training from Hi-Force has grown significantly. The new Training School, occupying an area of 150 square metres, is located within a brand new, 2,000 square metre Logistics Centre, built as part of our on-going expansion. This "state of the art" Training Facility comprises of a fully equipped classroom, product practical training area and a tool repair and service training workshop.

Hi-Force training courses combine first-class education with the most advanced practical training facilities available, within the hydraulic tool industry. Designed for a wide variety of delegates, Hi-Force training courses are suitable for Field Sales Engineers, Sales Office Supervisors, Service, Repair and Maintenance Engineers and Technicians, On-Site Engineers and Technicians and everyone else involved in the high pressure hydraulic tools industry. Whether you are involved in selling hydraulic tools, service or repair of hydraulic tools or most importantly a user, Hi-Force has a Training Course to suit you. High pressure hydraulic power provides one of the simplest means of applying a high force in confined spaces, however respect for safety precautions is essential at all times. Hi-Force Training Courses enable delegates to have a much better understanding of high pressure hydraulics, enabling all that attend our courses to work safer in the future.







With everything located under one roof, the Hi-Force Training School is fully equipped for putting the theory of hydraulics into practice, all in one course, within one designated area. Delegates are able to listen and learn theory and then proceed to practical in an interactive manner, both with the Trainer and other delegates. Our classroom training material includes many high quality graphic images, including animations of exactly how hydraulic tools operate. Our practical training area contains a complete range of Hi-Force products enabling delegates to operate "off the shelf" products to ensure a high level of confidence in the safe and proper use of hydraulic tools is achieved. Our Service and Repair Training facility is fully equipped with all the standard and special tools and test equipment for the service, maintenance and repair of the complete range of Hi-Force hydraulic tools.

Hi-Force is totally committed to improving the technical knowledge of our own employees, those of our global Distributor network and of the many users of Hi-Force hydraulic tools, throughout the world. Hi-Force investment in this new Training School, is testament to our commitment to not only offer world class products, but to ensure that our network of Regional Offices and Distributors are offering users the essential advice and knowledge, they require, to ensure that all users of Hi-Force products receive the most up to date and accurate information and advice at all times.



Product Training Courses

With our ever expanding network of Hi-Force regional offices and authorised distributors worldwide, Hi-Force has identified technical product and application training, as an essential core competency, for us to maintain our continued growth in the global market, for hydraulic tools. Hi-Force is totally committed to ensuring that all of our own sales personnel, as well as those of our authorised distributors, are fully trained and totally competent to offer end users, of our products, the correct and proper technical advice, whilst discussing individual, customer specific, applications and requirements, for hydraulic tools.

The latest, updated version of our Product Training Course, is divided into various product groups, each of which cover all aspects of technical sales, industry specific application selling, special product design, practical and theoretical operation, health & safety and general maintenance. Hi-Force believes that our Product Training courses are at the leading edge of the high pressure hydraulic tools industry worldwide.

To cater for the large number of different countries in which our products are now distributed and sold, we have designed our Product Training Courses in such a way that moving graphics and pictorial examples, are used wherever possible, to minimise the need for sometimes, difficult to understand written words. This enables us to easily translate the text, of the various training modules, into different languages, to suit local market requirements.

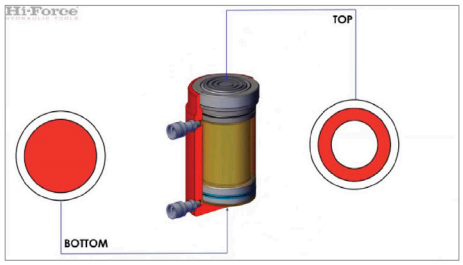
Hi-Force product training courses can be delivered from within any of our Hi-Force training schools, which are purposely designed and fully equipped with all Hi-Force products, for the use within the practical elements of the course.

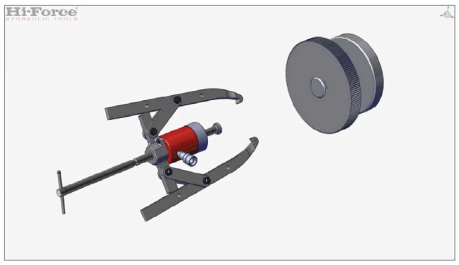
The moving graphics used within the Hi-Force Product Training Courses vary from a simple hand pump and cylinder, through to complex multiple lifting applications, using split flow pumps, hydraulic torque wrenches and stud bolt tensioners, all of which clearly demonstrate how our products operate, in a simple and straightforward way. When delegates experience the visual learning, provided by these graphics and then move to the practical training area, where they are given the opportunity to put theory into practise, by operating our tools in real and simulated situations, the retention of knowledge is far greater, than learning from presentation slides, or books, containing only text and pictures.

Hi-Force Product Training Courses can be tailored to suit individual needs and can be held for any number of days from one up to a full working week of five days. All Training Courses will incorporate a written and verbal exam, for all participating delegates, to ensure that the required level of learning is achieved. Delegates achieving the required minimum pass level will receive a Certificate, in recognition of their achievement.

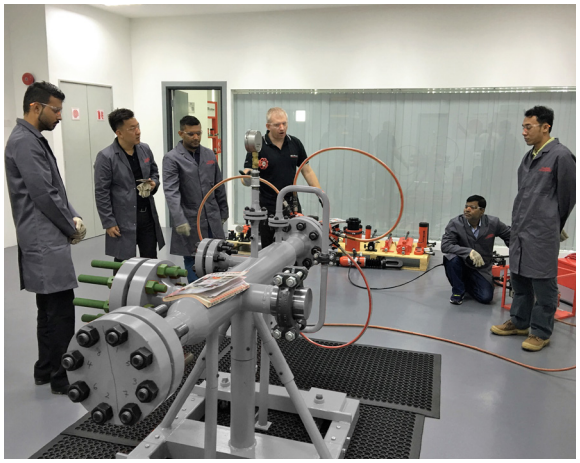
Whilst primarily focussed on our Distributor sales personnel and of course any new or existing members, of our own global sales team, we are also more than happy to offer Hi-Force Product Training to end users of our products.













ECITB Mechanical Joint Integrity Training Courses

Hi-Force is approved by the ECITB (Engineering Construction Industry Training Board) for the provision of Mechanical Joint Integrity training courses in line with industry standards and practices.

The MJI training courses offered are available as the following modules:

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



ecITB APPROVED PROVIDER — Hi-Force® HYDRAULIC TOOLS

CERTIFICATE OF TRAINING

This is to certify that:

Has completed the following ECITB Approved Course

Hydraulically Torque and Tension Bolted Connection Techniques

The course has been derived from the following ECITB Standards

MJI 10: Hand Torque Bolted Connections.
MJI 18: Hydraulically Tensioned Bolted Connections.
MJI 19: Hydraulically Torqued Bolted Connections.

Approved Training Provider:

Approved Trainer:

Learner Number:

Training Start Date:

Training Completion Date:

Certificate Number:

This does not form part of any Ofqual, SQA or Qualification Wales accredited and recognised qualification

ECITB Certificate issued via Hi-Force Approved Provider

Hi-Force in-house, ECITB approved Trainers have the technical and practical knowledge and understanding to deliver these training courses, following many years of "hands on" experience in the Oil, Gas and Petrochemical industries (onshore & offshore), as well as Power Generation and a wide variety of construction industry applications, requiring bolted joint technology. They are, of course, also fully trained and competent in the use of the various mechanical and high pressure, hydraulic tools used to deliver the training courses, in terms of theoretical, practical and the required Technical Testing (TMJI) as specified and required by the ECITB, prior to the issue of a certificate of successful completion to the delegate.

The training can be specifically designed and prepared to suit customer requirements, based on the tooling that the customer is using, however the emphasis of the training will always follow the ECITB recognised standards.

The technical content of the MJI training modules will include:

- Mechanical Joint integrity (Flange and Bolt Materials, Components, Lubricants, Dis-assembly, Inspection, Assembly)
- Safe use of high pressure hydraulic equipment
- Correct Tool selection

Health and Safety is of paramount importance to Hi-Force, as we continuously strive to not only maintain the levels of competence of personnel in the bolting industry, but to further develop and improve these levels, to continue to reduce the potential of accidents or incidents occurring wherever possible.

ECITB MJI Units Approved Test & Training School - UK, Dubai and Malaysia

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

Hi-Force UK Training Facility



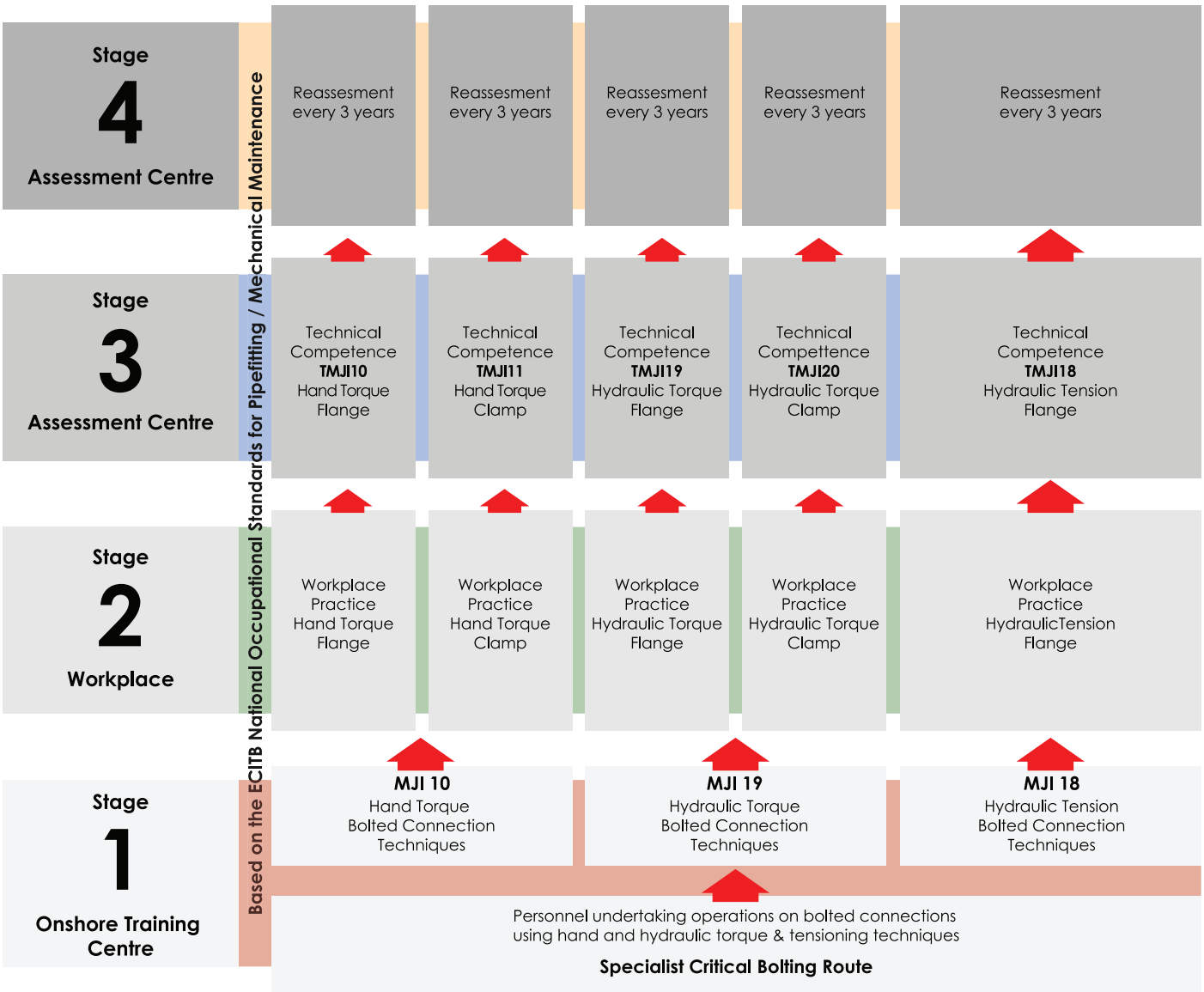
Hi-Force Dubai FZCO Training Facility



Hi-Force Malaysia Training Facility



ECITB Mechanical Joint Integrity Training Courses



Part 1 – Training - "Theoretical and Practical"

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

Part 2 - Technical Tests - "Theoretical and Practical"

- 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 Training and Technical Tests are provided as two separate elements of the overall course with the Technical Tests completed by the delegates, following a period of consolidation, carrying out workplace specific practical applications, related to the new skills and knowledge provided from the Training Course. Only after completing these work place tasks, usually within a 3 to 12 month period after the Training, can the delegate return to take the Technical Test.

The Future

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

Industry Compliance

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

- ECITB MJI & TMJI training & Testing units
- Step Change in Safety Mechanical Joint Integrity Route to Competence Guidance
- ASME PCC-1-2010 Guidelines for Pressure Boundary Bolted Flange Joint Assembly
- Energy Institute Guidelines for the management of the integrity of bolted joint for pressurised systems
- EN 1515-1: 1999 Flanges and their joints - Bolting – Part 1
- EN 1591-2: 2008 Flanges and their joints - Design rules for gasketed circular flange connections - Part 2: Gasket parameters
- CEN/TS 1591-4: 2007 Flanges and their Joints – Part 4: Qualification of personnel competency in the assembly of bolted joints fitted to equipment subject to the PED

Technical Training Details

Hi-Force, as an approved ECITB Training Provider, will competently train all delegates that attend the training courses. All of these courses are most suited for delegates employed to carry out Mechanical Joint Integrity and Flange Management activities, that are or could be associated with potential work scopes to industry standards, or client specific requirements that follow industry guidelines.

The ECITB training courses are fully documented and the details of the course content can be made available upon request.

Hi-Force can develop and provide training courses that will suit client specifications, if required and we will be happy to provide advice on any applicable industry standards.

For further details please contact Hi-Force UK or your local Regional Hi-Force Distribution and Service Centre.





Service & Repair Training Courses

As a rapidly expanding manufacturer and supplier of high pressure hydraulic tools, Hi-Force recognises the very important role that after sales service and repair plays in achieving future sales growth. Ultimately the entire success of the Hi-Force brand is dependent on, not only manufacturing and supplying tools of the highest quality and performance, but also ensuring that users of our products are able to access a high quality after sales service, with readily available spare parts, wherever they are in the world. To help Hi-Force achieve this high standard of expectation, from our customers, we are placing the establishment of fully equipped Hi-Force Service Centres, manned by fully trained service and repair technicians as a top priority. To ensure this is achieved, Hi-Force has invested in and is now proud to offer, modular training courses, in the correct service and repair of our complete range of products, from within a designated facility, at our newly constructed Training School, within our recently expanded UK facilities.

Hi-Force Service and Repair Training Courses are primarily available to our Global Distributor Network and are designed, to enable our Distributors, to gain the highly prestigious, Hi-Force Authorised Service Centre accreditation. To achieve this, our Distributors need to send personnel for training and establish a fully equipped Service Centre facility, within their own premises. To help with this the Hi-Force UK Service and Repair Training facility, is modelled on exactly how, an Authorised Hi-Force Service Centre should be set up, within the Distributor's own facility. All Hi-Force offices globally, operate a fully equipped Service Centre facility and in the future certain elements of our Service and Repair Training Courses, will be made available within our Regional Office network.

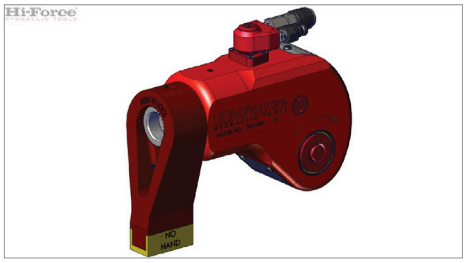
Establishing a Hi-Force Authorised Service Centre offers many advantages, to our Distributors, including an increased revenue stream, through chargeable service and repair work, greater customer loyalty, gained from the benefits of offering full after sales support, authorisation to carry out warranty work, on behalf of Hi-Force and of course the added opportunity to invest in Tool Rental services, given that a service centre is vital for supporting this additional activity.

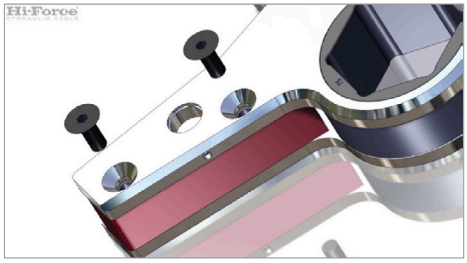
To help Hi-Force achieve our goals, of establishing a professional, worldwide network, of Authorised Service Centres, we offer several financial incentives, to our Distributors, to assist them, with becoming an Authorised Hi-Force Service Centre.

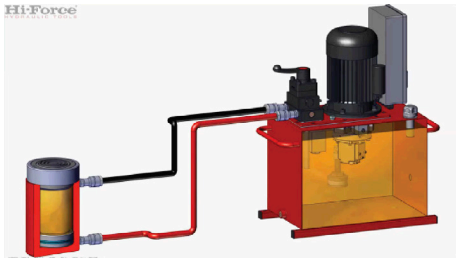
Further details are available on request.

We are also able to offer Service and Repair Training to major end users, of our products, that prefer to have their own, in-house tool repair facilities. One of the major advantages of the modular design, of our Service and Repair Training courses, is that we can tailor courses to suit specific, individual requirements, of our end user customers. So if an end user customer is a major user of our bolting tools we can concentrate on the Service and Repair Training of hydraulic torque wrenches and stud bolt tensioners. Similarly if the customer is a user of our jacking systems we can focus the training on cylinders, pumps and accessories.

As with all of our Hi-Force training packages, we offer a mixture of theoretical classroom training with full hands on practical training, within the one designated Training School. Our Trainers are vastly experienced in all aspects of the courses we provide. Contact your local Hi-Force office for further details on all of our first class, training packages.







Hi-Force®
HYDRAULIC TOOLS

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