



World-leading Training Solutions, 3t EnerMech, Guyana

MAY 2023
Presented by

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3t EnerMech	ODITC, Guyana

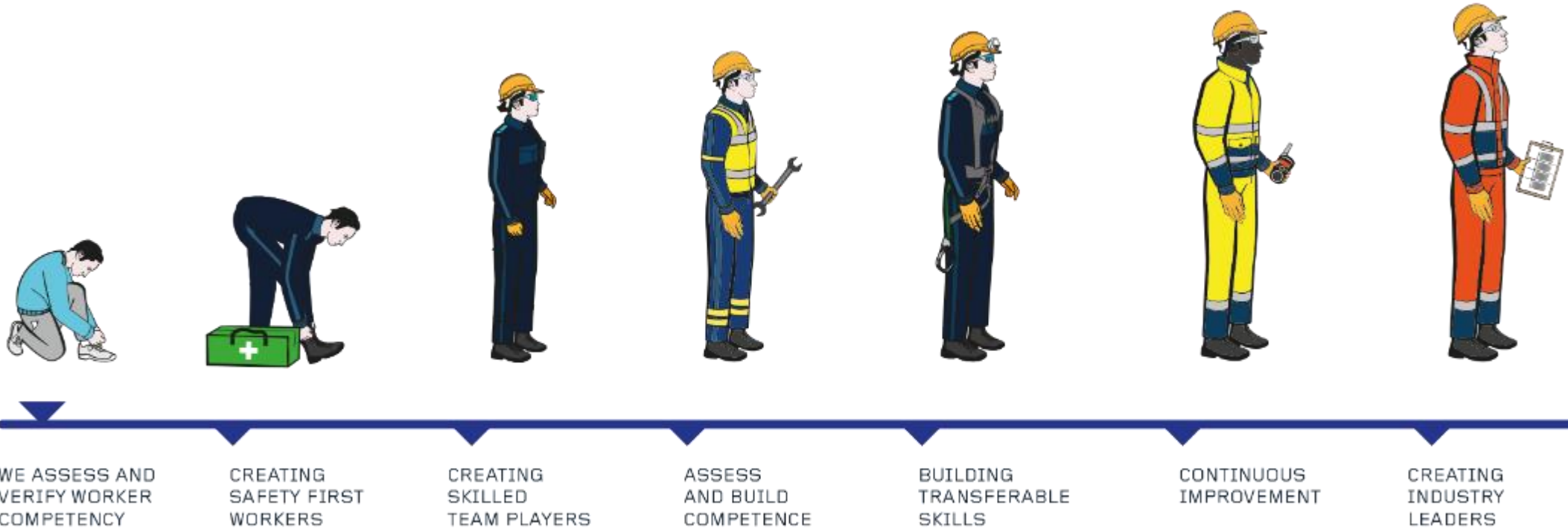


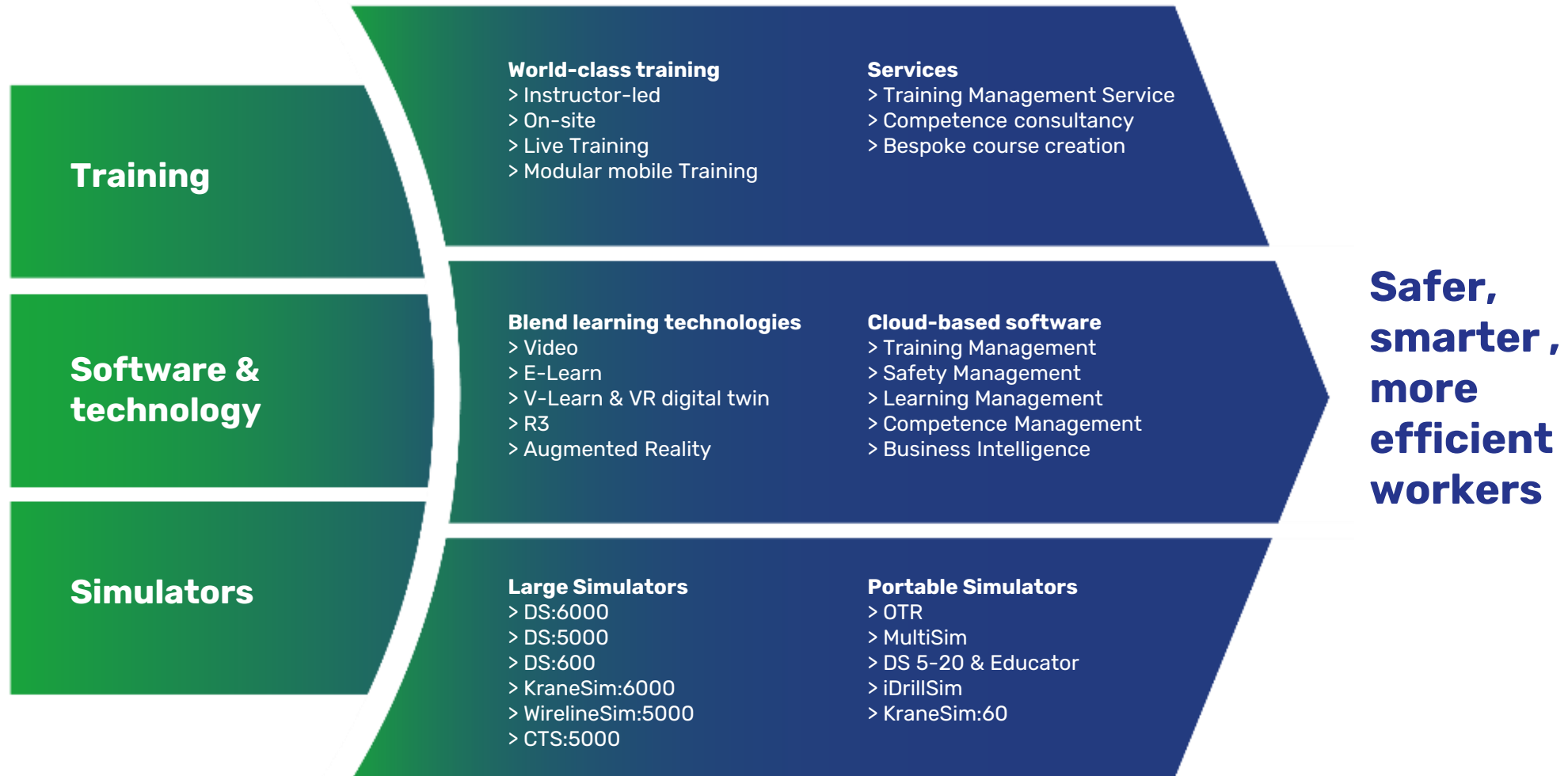
About 3t EnerMech

Managing your entire workforce lifecycle

ODITC/3t EnerMech delivers learning solutions locally, using our powerful blend of world-class training and innovative workforce development technologies & solutions.

Our expertise and quality standards are combined to guide individuals and employers through the training journey to create safer, smarter and sustainable workforces for the future.





Trusted by our global clients



Training Capability

460+

Ever expanding portfolio from
3t EnerMech

100+

Extended directory of eLearning
titles & blended learning
technology courses

Categories

- Offshore Survival
- Confined Space & Rescue
- Drilling & Well Control
- Mechanical, Electrical & Welding
- Fire
- Emergency Response
- Crisis Management
- Health, Safety & Risk
- Vehicle Operations & Safety
- Dangerous Goods Management
- First Aid
- Lifting Operations
- Rope Access & Working at Height
- Competency & Consultancy
- Food Safety
- OGUK Medical Services

Delivery

- In-Centre
- Onboard
- Simulated
- Live online
- Blended learning technologies
- Short Courses
- Assessments
- Connected Competence Programs
- Vocational Programs & Diplomas

Accredited by the
world's leading bodies



International
Well Control
Forum



OGUK

STEP CHANGE
IN SAFETY



City
& Guilds



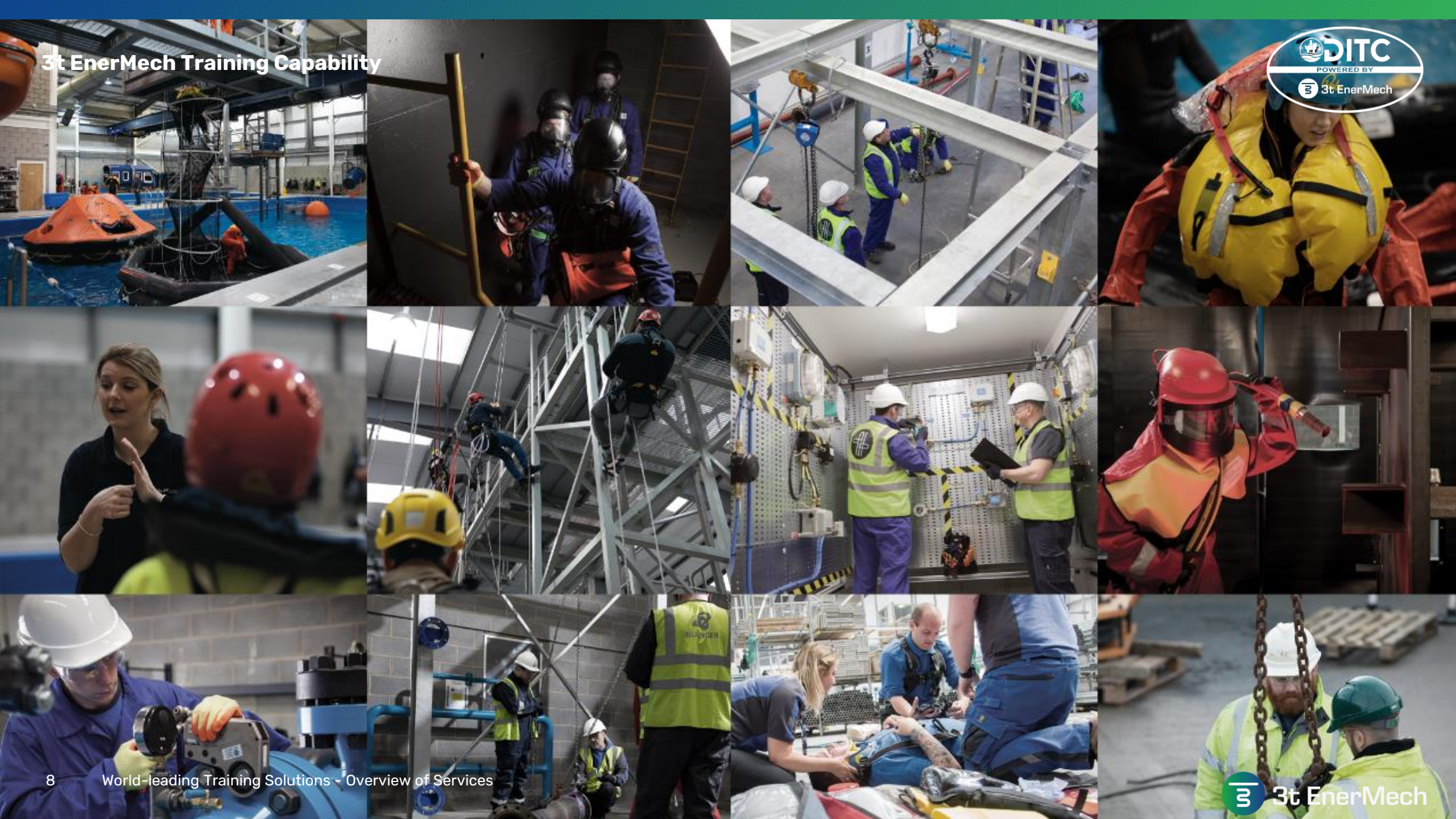
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CISRS

AMERICAN SAFETY &
HEALTH INSTITUTE
TRAINING CENTER

3t EnerMech Training Capability





3t EnerMech Operated Centres

- Doha, Qatar
- Abu Dhabi, UAE
- Tianjin, China
- Aberdeen, UK
- Newcastle, UK
- Great Yarmouth, UK
- Perth, Australia
- Houston, USA
- Cape Town, SA
- Maryland, USA
- Pasadena, USA
- Georgetown, Guyana
- Singapore, Singapore
- Kemaman, Malaysia
- Atyrau, Kazakhstan
- Baku, Azerbaijan
- Maputo, Mozambique
- Luanda, Angola

Partner Network

Strategically placed locations and partner network of providers in key regions;

- Africa
- Americas
- Asia
- Australia
- Caspian
- Europe
- Middle East

3t Marketplace

Combining expert instruction and world-class facilities to create a best in-class training experience.

- World-class centres of excellence
- State of the-art equipment
- Technology powered classrooms
- Safety stop card system
- Instructors with vast hands-on industry expertise
- Touch screen sign-in and delegate apps
- Restaurant and Breakout areas



Our expert instructors can deliver courses at your site or vessel location both on and offshore.

- Choose from a wide variety of safety, skills and technical courses
- Rapid set-up and deployment
- Reduces downtime
- Cost effective – no personnel training pay, reduced travel and accommodation
- Flexibility to train any numbers of delegates in line with crew shifts
- Training conducted in realistic, familiar surroundings – tailored to your specific equipment
- Tailored or fully bespoke course delivery based on your learning objectives



Training Management Services

Best-in-class Training Management Services tailored to the way you operate.

Centrally managed by a powerful software and technology platform giving you full real-time visibility of progress, performance and operational compliance.

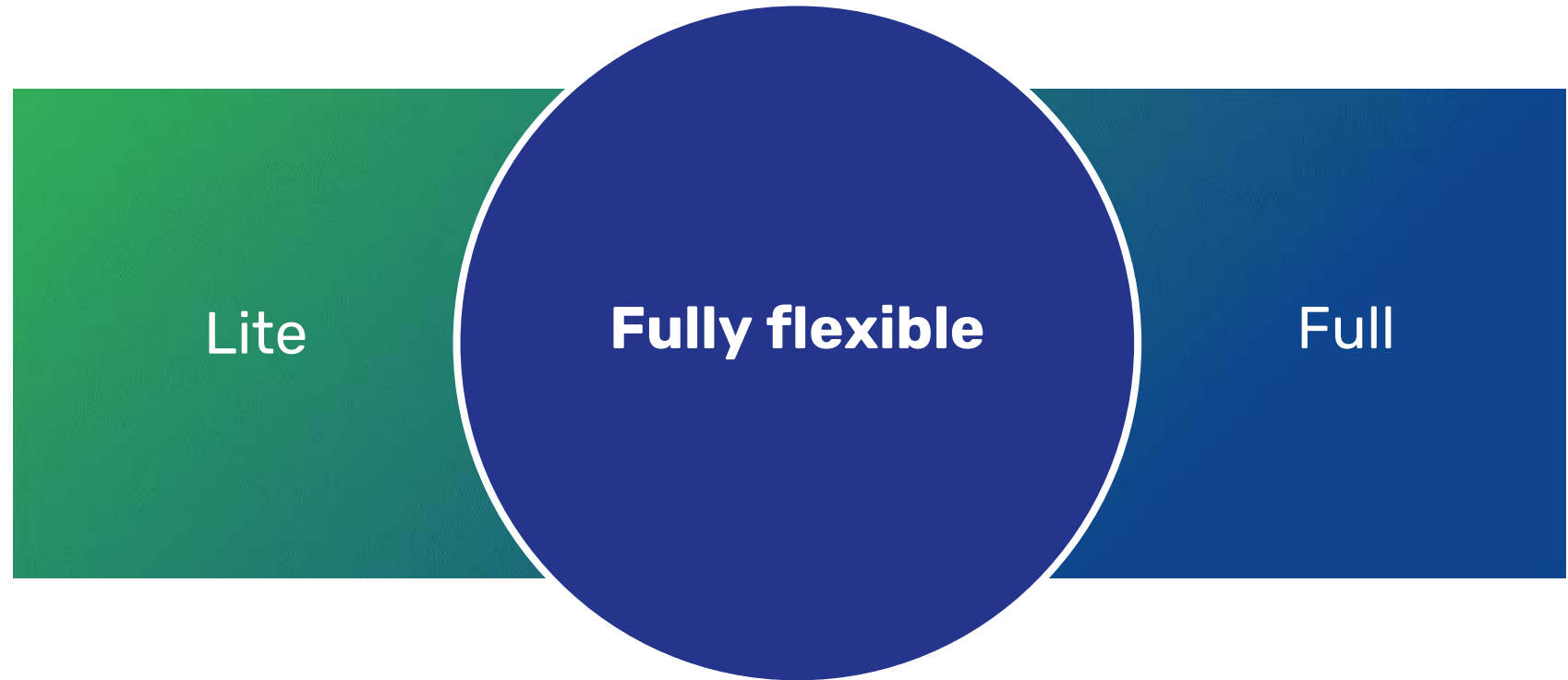
We can take care of training requirements wherever your delegates are located throughout Qatar via our unrivalled course range covering all safety critical training requirements and supported by our robust training partner network.

Our services are designed to meet the complex needs of international Oil & Gas companies and cover a comprehensive range of activities to ensure your training compliance.



**One size doesn't
always fit all.**

Our services can be tailored to our client's exact requirements and specifications.



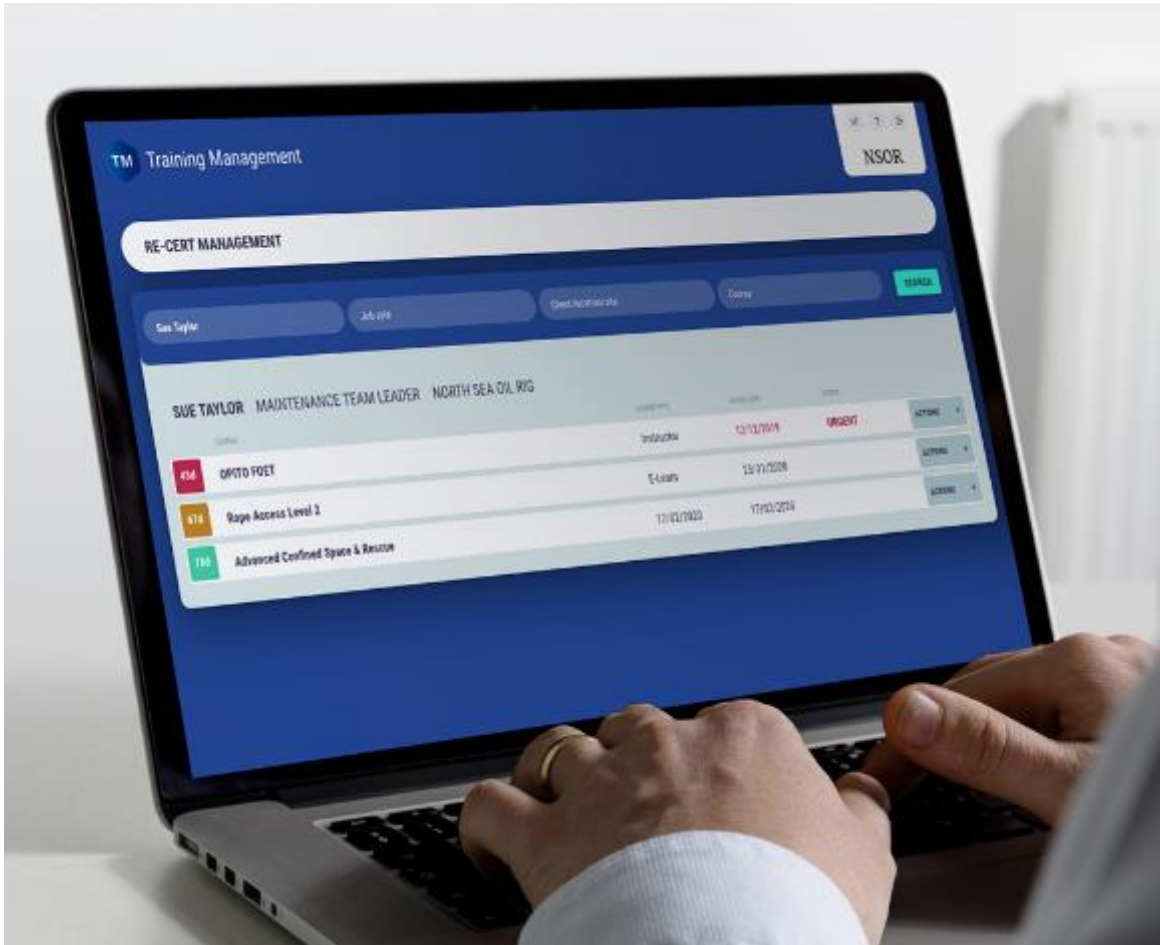
Tailored Training
Management
Services

Blended learning
technologies

Instructor-led
training

← • Fully powered by 3t Transform Training Management software • →

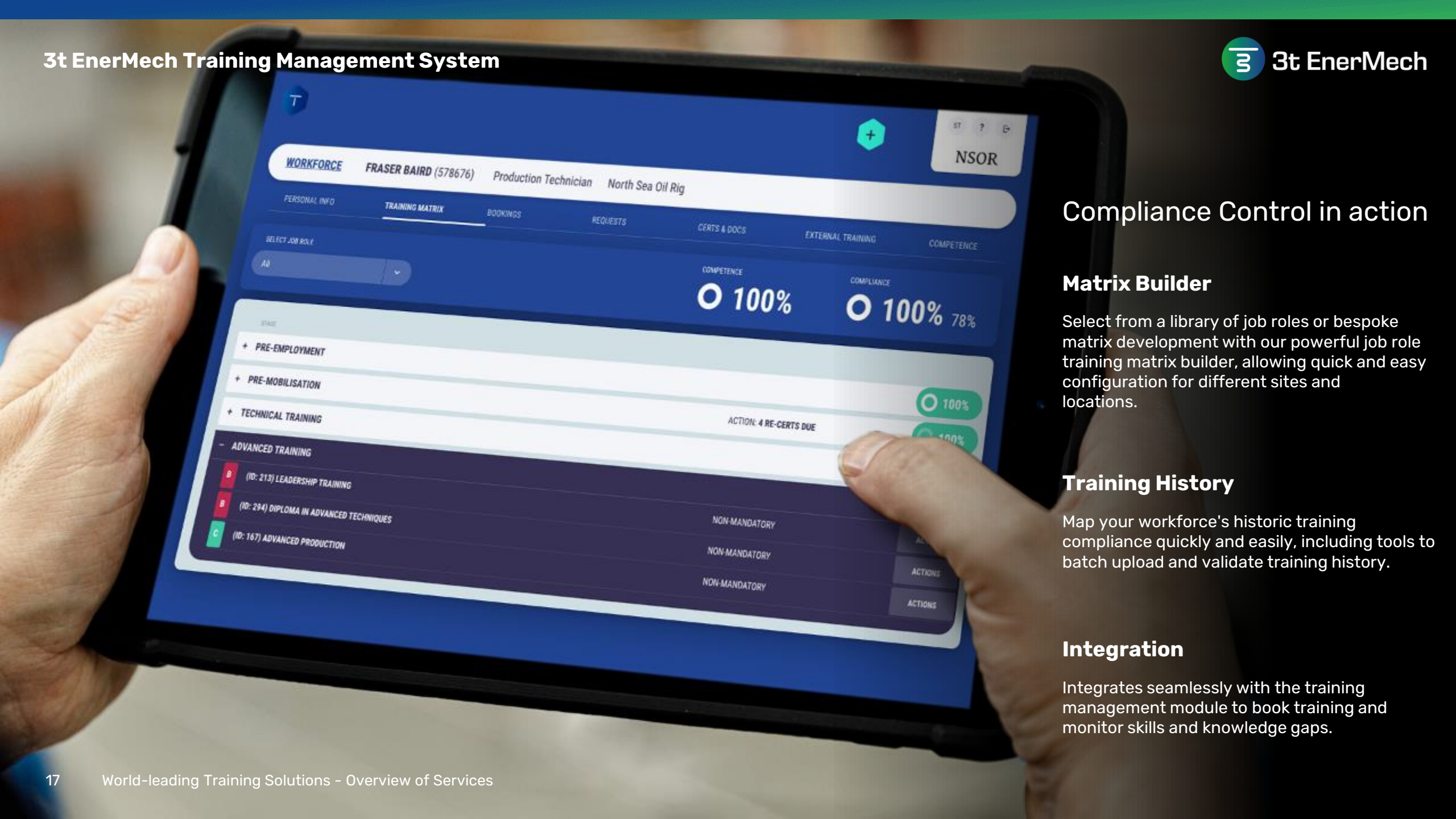
Steps to building your Training Management Service



Training Management Module

A powerful module which manages every aspect of your organisation's training compliance management and booking workflow.

- ✓ Training request and booking management
- ✓ Job role compliance matrices builder
- ✓ Skills gap analysis
- ✓ Re-certificate management
- ✓ Holiday and rota management
- ✓ Real-time reporting dashboards
- ✓ 100% training compliance assurance



Compliance Control in action

Matrix Builder

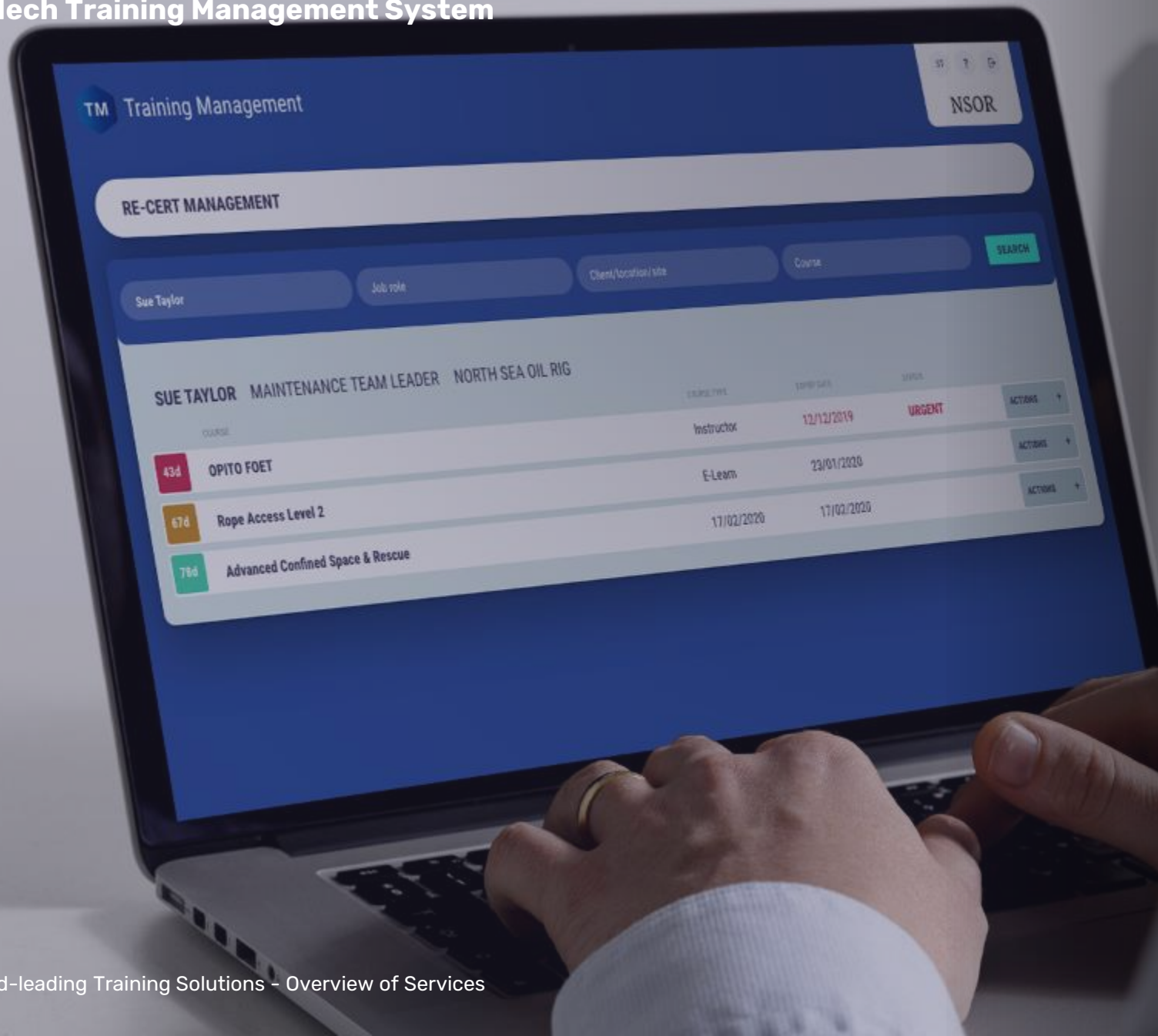
Select from a library of job roles or bespoke matrix development with our powerful job role training matrix builder, allowing quick and easy configuration for different sites and locations.

Training History

Map your workforce's historic training compliance quickly and easily, including tools to batch upload and validate training history.

Integration

Integrates seamlessly with the training management module to book training and monitor skills and knowledge gaps.



Certificate management

Secure and searchable cert and document library, including data validation checker and the ability to upload hard copy certs directly into the system quickly and easily.

Re-certificate management

Manages the full training course booking process integrating with location, rota and holiday data, meaning training can be booked at the most efficient and cost-effective time.

Alerts and notifications

Keep on top of your workforce's training with our time-based, traffic light alert system, meaning you are compliance-assured and never miss a training requirement.

Request system

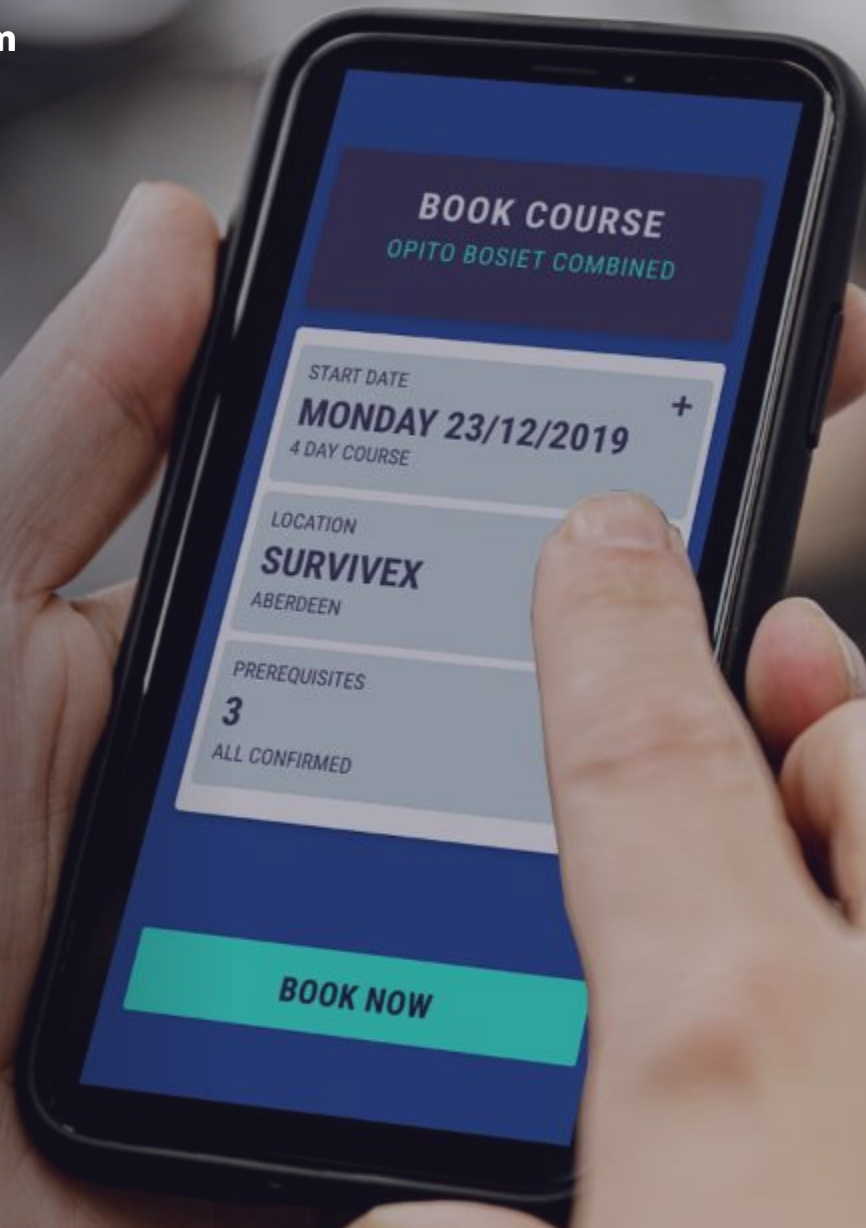
Training requests and approval process, including SMS and email-based approval, sent to key stakeholders.

Easy 3-step booking

Manages the full training course booking process integrating with location, rota and holiday data, meaning training can be booked at the most efficient and cost-effective time.

Travel and accommodation

Track and monitor travel and accommodation requirements when your employees receive instructor-led training.



3t EnerMech adopt a methodical approach to the implementation of TMS services based on the following key steps:

1.

Discover

Understand your operations and requirements

2.

Plan

Define the structure of the TMS and set KPI's

3.

Set Up

Embed and test the process and systems

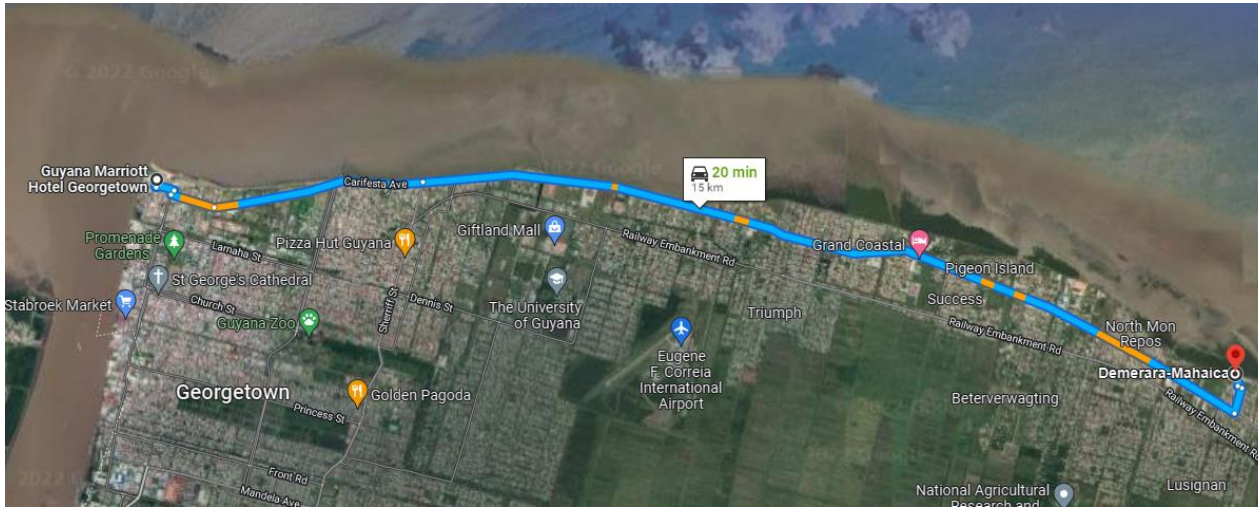
4.

Embed & Review

Business-wide roll out with real-time visibility and continuous support

3t EnerMech Guyana Training Centre of Excellence

ODITC/3t EnerMech Guyana Training Centre of Excellence - Overview



Lusignan Heliport & Aviation Centre



ODITC/3t EnerMech Guyana Training Centre of Excellence - Overview



Overview

- The brand new 3t EnerMech Guyana training facility is part of a wider complex incorporating a Heliport (80% complete) Hotel, Training School and Offices
- ODITC is a majority local owned Joint Venture (with Local Content Certification) between Orinduik Developments, Windsor Technologies and 3t EnerMech with 3t EnerMech assuming all operational responsibility for the site
- Located on reclaimed land at Lusignan, approx. 10km east from central Georgetown, Guyana, the centre of Excellence is strategically located near new arterial road being constructed to connect the airport to the East side of the city. Road will cut travel times to airport from 90mins to 20mins
- Construction of the Training Centre commenced in late 2021 with the main pool and other Phase 1 features completed in September 2022
- From the facility we offer a range of O&G Health and Safety training and technical skills including OPITO mandatory training (BOSIET), Lifting operations, Firefighting, Well Control, and related training and competence activities
- Delivery of the first government sponsored on-site skills-based training programs commenced March 2022 including Rigging and Banksman; Pipefitting; and Plating disciplines.





ODITC/3t EnerMech Guyana Training Centre of Excellence – Official Opening Ceremony on Sept 2nd 2022



3t EnerMech Guyana Training Centre of Excellence ribbon cutting ceremony by Prime Minister Hon. Mark Phillips



Opening Speech by Hon. Vikram Bharrat Minister of Natural Resources

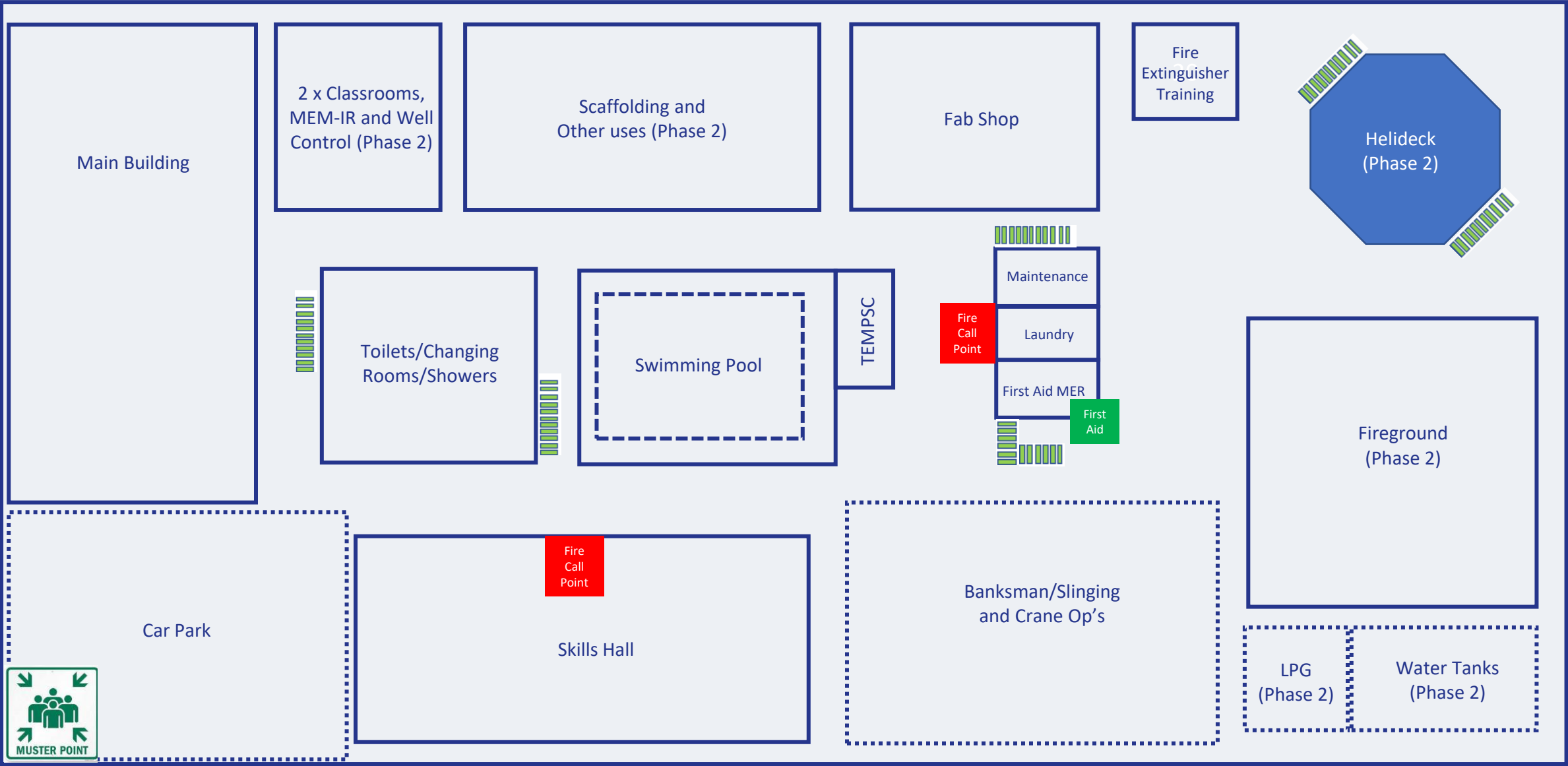


VIPs, Graduates and invited guests



3t EnerMech Guyana Team Members





Indicative Pricing Phase 1 Courses

ODITC/3t EnerMech Guyana Training Centre of Excellence - Overview

Proposed Course Offering



COURSE NAME	DAYS	AWARDING BODY	DATE AVAILABLE	RRP \$USD
OPITO T-BOSIET with CA-EBS	3	OPITO	Nov 2022	\$1,950.00
OPITO T-FOET with CA-EBS	3	OPITO	Nov 2022	\$1,560.00
OPITO T-HUET with CA-EBS	3	OPITO	Nov 2022	\$1,560.00
OPITO CA-EBS (only)	0.3	OPITO	Nov 2022	\$375.00
OPITO DIGITAL T-BOSIET with CA-EBS	3	OPITO	Nov 2022	\$1,560.00
Confined Space Entry	1	3t EnerMech	July 2022	\$195.00
Confined Space Rescue	2	3t EnerMech	July 2022	\$350.00
Working at Height - Unit 2 PPE User	1	3t EnerMech	June 2022	\$195.00
Working at Height - Unit 3 Rescue	1	3t EnerMech	June 2022	\$250.00
OPITO Rigger Initial Training (was Stage 1)	3	OPITO	July 2022	\$1,150.00
OPITO Rigger Competence (was Stage 3 or 4)	2	OPITO	July 2022	\$975.00
OPITO Banksman initial Training (was Stage 1)	3	OPITO	July 2022	\$1,150.00
OPITO Banksman Competence (was Stage 3 or 4)	1	OPITO	July 2022	\$625.00
IRATA Rope Access Training	5	IRATA	Feb 2023	\$1,800.00
Crane Operator Training	5	3t EnerMech	Feb 2023	\$2,800.00
Basic First Aid	1	AHSI/HS	June 2022	\$175.00
MJI Combined - Units 10,18,19 (also available individually)	3	ECITB	June 2022	\$1,250.00
CISRS Part 1/2/3 - 5 days	5	CISRS	Q1 2023	TBC
Fork-lift Training	4	3t EnerMech	Q1 2023	\$1,000.00
Abrasive Wheels	0.5	3t EnerMech	July 2022	\$150.00
SCBA	0.5	3t EnerMech	Jan 2023	\$275.00
Fire Warden Training	1	3t EnerMech	June 2022	\$192.00
COSHH	0.5	3t EnerMech	June 2022	\$150.00
OPITO Major Emergency Management - Initial Response (MEMIR)	4	OPITO	Q2 2023	POR
Dangerous Goods By Air/Sea	3	3t EnerMech	June 2022	\$366.00
IADC/IWCF Drilling Well Control Training - Level 3 / 4	5	IADC / IWCF	Q2 2023	\$3,000.00
IADC Rig Pass	1	IADC	Oct 2022	\$200.00
Advanced First Aid	3	AHSI/HS	Sept 2022	\$540.00
Electrical Safety Awareness	1	3t EnerMech	Q1 2023	\$200.00
OPITO HOIT / HERTM / HERTL / OERTM / OERTL		OPITO	Q2 2023	TBC
<i>continued</i>				

- This table sets out the proposed Phase 1 course schedule and expected go live dates (course bookings highlighted in green have already commenced)
- Indicative prices are available to show what the relevant Book price /RRP for each course would be in the open market
- Discounts and negotiated pricing are available for key clients in exchange for agreed term service agreements, MSA's or Training Management agreements
- 3t EnerMech would be delighted to enter into negotiations with our Clients for exclusive contract and pricing terms
- We expect a constant stream of other courses to be added to the list as the site is developed out. We would be happy to discuss scheduling of future course development to meet particular client demands.

ODITC/3t EnerMech Guyana Training Centre of Excellence - Overview

Proposed Course Offering



COURSE NAME	DAYS	AWARDING BODY	DATE AVAILABLE	RRP \$USD
ECITB Risk Assessment Awareness	0.5	ECITB	Sept 2022	\$125.00
ECITB Environmental Awareness	0.5	ECITB	Sept 2022	\$125.00
ECITB IHSP Foundation	1	ECITB	Sept 2022	\$175.00
ECITB IHSP Advanced	2	ECITB	Sept 2022	\$275.00
ECITB IHSP Supervisor	1	ECITB	Sept 2022	\$200.00
STCW Basic Safety Training (BST)	5	STCW	Q2 2023	TBC
STCW Proficiency in Security Awareness	0.5	STCW	Q2 2023	TBC
STCW Advanced Fire Fighting	4	STCW	Q2 2023	TBC
ROV Pilot Training		3tEM/IMCA	Feb 2023	FOR
<i>Various other courses to follow and upon request</i>				

- All Prices are exclusive of VAT, WHT or other relevant local taxes.

ODITC/3t EnerMech Guyana Training Centre of Excellence - Overview



Typical Offshore 'Green Hand' Training Program

- To work offshore on an FPSO, Platform; Vessel or Drill Rig individuals are required to have some minimum industry safety training qualifications. These minimum requirements may differ slightly dependent on the Region or Country in which the asset is operating or by the employing company. However, generally speaking there are a number of common courses that are often minimum mandatory requirements.
- 3t EnerMech has devised a 'Green Hand' Training Program to include these course within a single bundled package for new entrants or those wishing to seek employment in the offshore oil and gas sector. The list opposite details those course included in the Green Hand program.
- Please Note** Additional courses or other course out with this list may be required in certain regions or by specific company's.

*OPITO iMIST or IADC Rig Pass Safety Training are alternatives to this introductory course.

Course	Duration	Certification
T-BOSIET with CA-EBS	3 days	OPITO
Offshore Industry Safety Training	1 day	3t EnerMech
Rigger and Banksman Slinger Initial Training	5 days	OPITO
Introduction to Drilling/Production Operations*	½ day	3t EnerMech
Working at Height	1 day	3t EnerMech
Confined Space Entry	1 day	3t EnerMech
Hand Safety/Tool Safety/Abrasive Wheels	½ day	3t EnerMech
Manual Handling	2hrs	3t EnerMech
COSHH	2hrs	3t EnerMech
Dropped Objects	½ day	3t EnerMech
Safe Systems of Work	1 day	3t EnerMech
Heli-Deck Safety	½ day	3t EnerMech
3t Enermech Green Hand Training Program	14.5 days - USD \$4200 per person	

OPITO Tropical Basic Offshore Safety Induction and Emergency Training (T-BOSIET) with Compressed Air – Emergency Breathing System (CA-EBS)

Summary

This OPITO approved, 3 day T-BOSIET course with Compressed Air Emergency Breathing System (CA-EBS), will introduce delegates to the specific safety issues and regimes relevant to offshore installations in a tropical environment.

The training will also equip delegates with the basic emergency response knowledge and skills for travelling to and from offshore installations by helicopter that use of CA-EBS.

The OPITO T-BOSIET is a mix of theoretical and practical sessions, during which delegates will be required to demonstrate their level of knowledge and understanding of the training programme content.



Objectives

By the end of the OPITO T-BOSIET course, delegates will:

- Have knowledge of the offshore industry incl: Offshore hazards & control measures, offshore safety management, how offshore safety is regulated and living & working in the offshore environment
- Understand the processes involved in helicopter travel & be competent in their ability to escape from a ditched or ditching helicopter in an emergency situation
- Have knowledge of what to do in an evacuation situation: How to respond to alarms, the systems used to achieve successful evacuation and the actions to take in the event of a water entry situation
- Understand what is meant by emergency first aid and how to assist in a first aid situation prior to arrival of the medic
- Be competent in the use of portable fire extinguishers for basic firefighting and be confident in self-rescue techniques used to successfully escape from smoke filled environment

Target Audience

All personnel employed on a offshore installation or seeking employment in the offshore industry in regions that supply passengers with compressed air emergency breathing systems.

Prerequisites

A valid OGUK Medical (or equivalent) and a valid OGUK Fit to Train Assessment (declaring the participant fit or unfit).

Due to certain aspects of the course being physically demanding and potentially stressful, delegates will be required to confirm their medical fitness and physical ability to participate by completing our centre Medical Self-Screening Form prior to course commencement.

Revalidation

The OPITO T-BOSIET with CA-EBS is valid for a 4 year period, prior to expiry delegates must complete an OPITO T-FOET with CA-EBS course to remain certified.

OPITO Tropical Further Offshore Emergency Training (T-FOET) with HUET and CA-EBS

Summary

Tropical Further Offshore Emergency Training (T-FOET) is often referred to as a 'Survival Refresher' or 'BOSIET Refresher'.

This OPITO approved T-FOET training with Compress Air Emergency Breathing System (CA-EBS) is a 1 day course giving delegates the opportunity to practice and demonstrate emergency response skills which are not possible to practice during offshore drills, exercises and emergency training.

This includes, helicopter emergency escape, emergency first aid and basic firefighting and self rescue.

T-FOET training is a mix of theoretical and practical sessions, during which delegates will be required to demonstrate their level of knowledge and understanding of the training programme content.



Objectives

By the end of this T-FOET training programme, delegates will:

- Be competent in their ability to escape from a ditched or ditching helicopter in and the dry use of Compressed Air - Emergency Breathing System (CA-EBS)
- Be competent in the use of emergency first aid
- Be competent in the use of portable fire extinguishers for basic firefighting and be confident in self-rescue techniques used to successfully escape from smoke filled environments

Target Audience

This FOET training programme is designed to meet the further offshore safety and emergency response training requirements for personnel working in the offshore oil & gas industry.

OR

Delegates who have completed an OPITO BOSIET, BOSIET (with CA-EBS), T-BOSIET, FOET, FOET (with CA-EBS) or T-FOET and intend to travel to an offshore installation or vessel where CA-EBS is used.

Prerequisites

Delegates must have one of the following: a valid BOSIET, BOSIET (with CA-EBS), T-BOSIET, FOET, FOET (with CA-EBS) or T-FOET certificate.

A valid OGUK Medical (or equivalent) and a valid OGUK Fit to Train Assessment (declaring the participant fit or unfit).

Due to certain aspects of the course being physically demanding and potentially stressful, delegates will be required to confirm their medical fitness and physical ability to participate by completing our centre Medical Self-Screening Form prior to course commencement.

Revalidation

The OPITO T-FOET with CA-EBS is valid for a 4 year period, prior to expiry delegates must complete an OPITO FOET with CA-EBS course to remain certified.

OPITO Tropical Helicopter Underwater Escape Training (T-HUET) with CA-EBS

Summary

This OPITO approved, 1 day T-HUET with Compressed Air Emergency Breathing System (CA-EBS), will prepare delegates that intend to travel to and from offshore oil and gas installation and vessel by helicopter in a tropical environment.

Providing specific training in pre-flight and in-flight requirements and to equip delegates with the basic emergency response knowledge and skills required in the event of a helicopter emergency. This course is a mix of theoretical and practical sessions, during which delegates will be required to demonstrate their level of knowledge and understanding of the training programme content.



Objectives

By the end of this training programme, delegates will:

- Understand pre-flight and in-flight requirements
- Understand the key principles behind the use of the Compressed Air Emergency Breathing System (CA-EBS) and be able to deploy the system in simulated dry exercises
- Understand the actions to take during a surface evacuation into an aviation raft
- Be competent in their ability to escape from a ditched helicopter in a submerged and capsized emergency situations using breath holds
- Be able to board an aviation raft successfully from an in-water situation

Target Audience

Personnel travelling to oil and gas installations or vessels via helicopter supplied with Compressed Air Emergency Breathing System (CA-EBS).

Prerequisites

A valid OGUK Medical (or equivalent) and a valid OGUK Fit to Train Assessment (declaring the participant fit or unfit).

Due to certain aspects of the course being physically demanding and potentially stressful, delegates will be required to confirm their medical fitness and physical ability to participate by completing our centre Medical Self-Screening Form prior to course commencement.

Revalidation

The OPITO T-HUET is valid for a 4-year period.

ROV Pilot Training

Summary

The Job of a Remotely Operated Underwater Vehicle (ROV) Pilot Technician is varied and exciting. Demand for competent ROV personnel is high.

3t EnerMech has recently introduced the first and only ROV Simulation suite to Guyana.

The FMC Schilling Robotics ROV simulator offers introductory pilots a visually immersive environment to learn the skills necessary to succeed in the real world of ROV operations.

We also offer experienced pilots the opportunity to rehearse challenging procedures with no risk to real equipment or operations.

This ROV training program has been designed to and compliant with IMCA guidelines (IMCA C005) for ROV operations.



Objectives

By the end of this training programme, delegates will understand and gain experience of:

- Principles of ROV piloting and working in and around oil and gas equipment in a 3D environment
- Thirty realistic subsea training exercises, including FM Installation Seal Test, HP Cap Retrieval, SCM Retrieval, and UCON Installation
- Superb 3D visuals and realistic recreation of environmental conditions make the simulation look and feel like the real deep-water environment
- Effectively using on-board sensors, such as cameras and sonar
- Understanding the tether management system and maintaining correct tether position
- Practice routine operations using hot-stabs, torque tools, jumper, and spool lines

Target Audience

Persons wishing to enter the sub-sea ROV Pilot industry as a trainee

Prerequisites

Delegates must be a minimum of 18 years old. Whilst there are no other specific pre-requisites delegates with a good background, understanding or awareness of electronics, mechanical or other related technical experience would be advantageous.

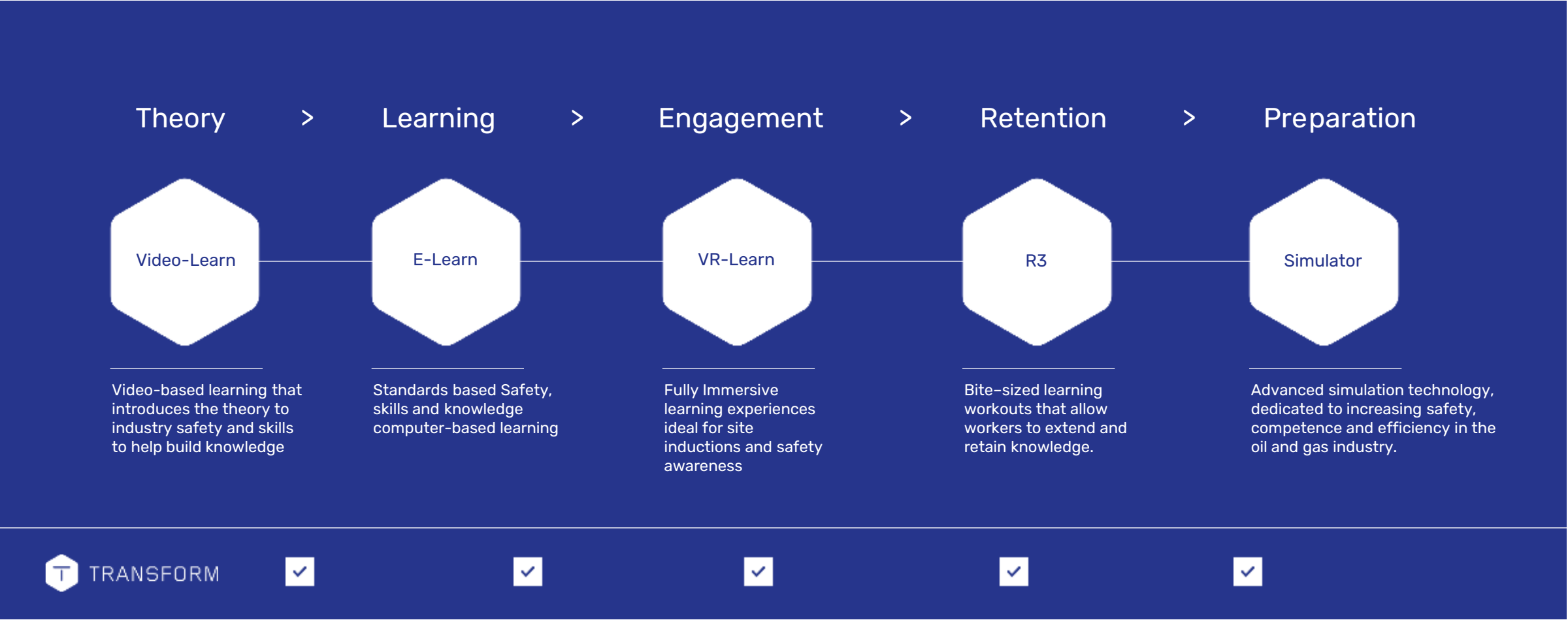


In partnership with



CARIBBEAN SUBSEA
SPECIALIST INC.

Digital Training Capability

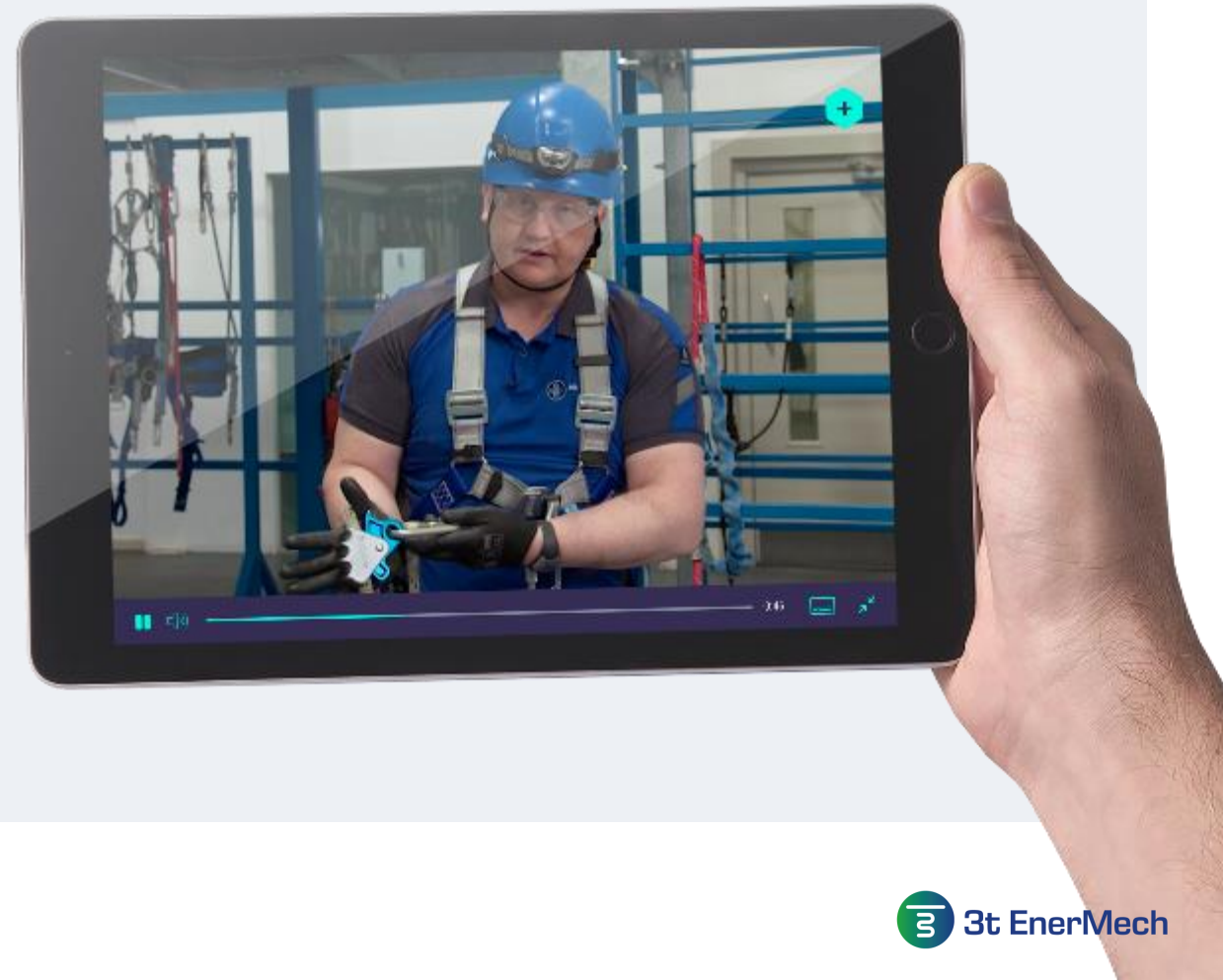


VL+ Video-based Learning

Our brand new distance learning platform delivers content-rich and engaging video-based training wherever and whenever you need it.

Each course includes knowledge building content around the theory of the subject as well as practical examples showing the standard in practice. At the end of each course is an assessment to test the delegates understanding.

- ✓ Clouded-based platform which can be used on desktop, tablet and mobile
- ✓ Access – ready to start when you are
- ✓ Delegate can pause and replay modules to learn at their own speed
- ✓ 45+ key industry specific courses
- ✓ Quizzes and tests throughout
- ✓ Multilingual options
- ✓ Bespoke courses available



E-Learn

Cost-effective, computer-based safety, skills and technical knowledge learning.

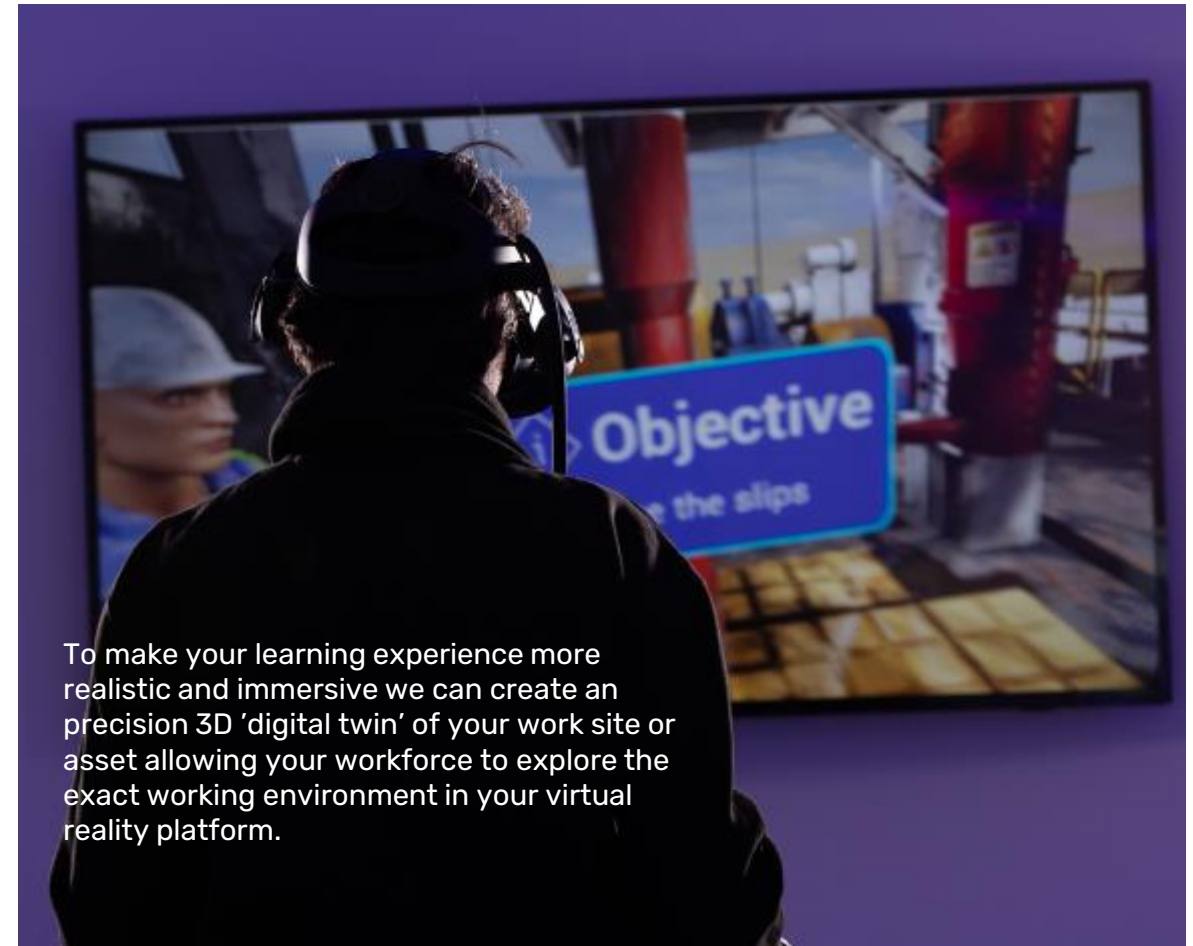
- ✓ SCORM powered content
- ✓ Extensive accredited course library
- ✓ Intuitive learning interface
- ✓ Flexible, on-demand learning
- ✓ Mix of theory and tests throughout
- ✓ Integrates with powerful LMS module
- ✓ Integrates seamlessly with innovative R3 platform
- ✓ Build your own bespoke course options



VR-Learn

Immersive, engaging, virtual reality-based learning which replicates real-world scenarios in a virtual environment.

- | | |
|--|---|
| ✓ Fully immersive experience | ✓ Digital twin 'options' of your site or asset for full realism |
| ✓ Safely test disaster or high-risk operations | ✓ Integrates with powerful LMS module |
| ✓ Excellent for site and safety inductions | ✓ Easy and quick to set-up |
| ✓ Off-the-shelf VR training course library | ✓ Multiple users for team exercises |



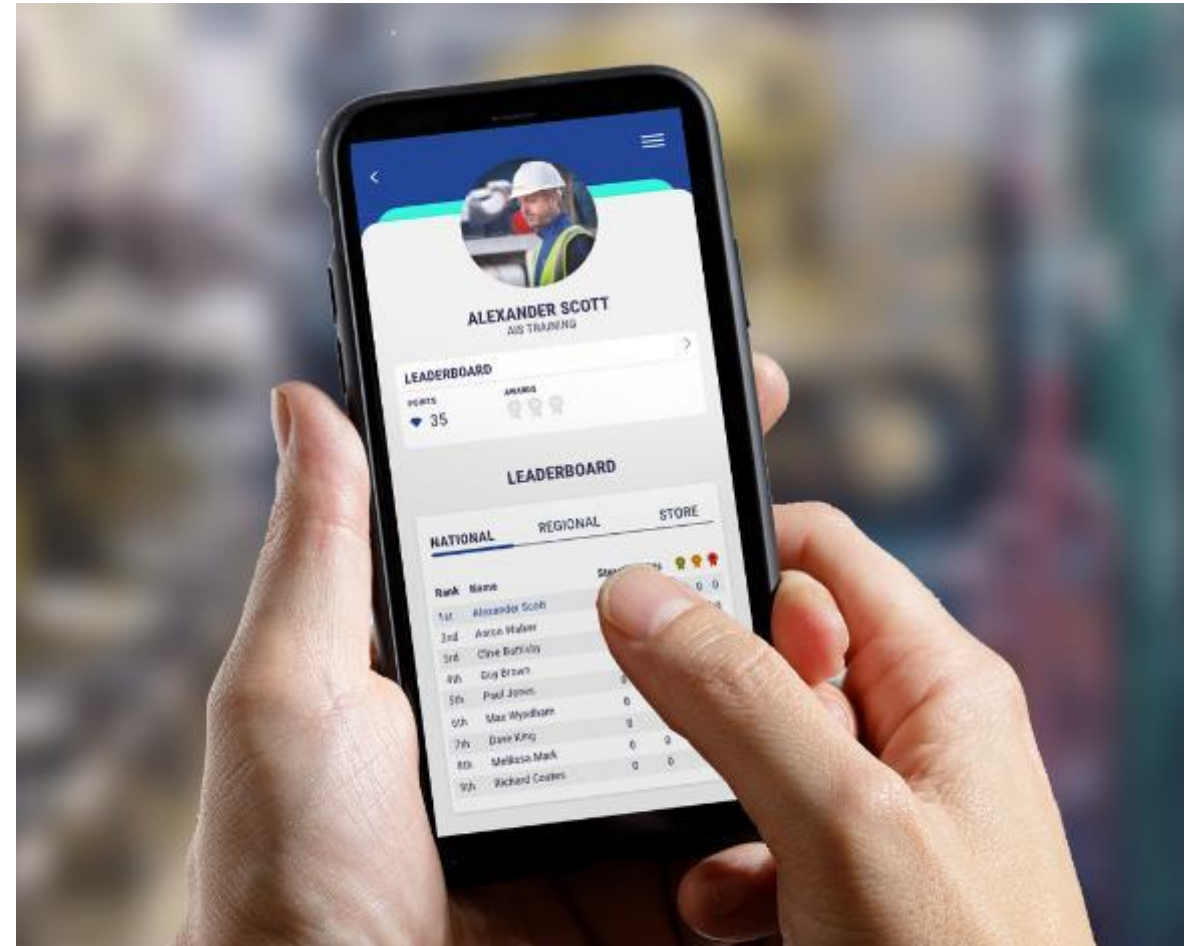
To make your learning experience more realistic and immersive we can create an precision 3D 'digital twin' of your work site or asset allowing your workforce to explore the exact working environment in your virtual reality platform.

R3

Our ground-breaking learning tool based on the principles of spaced repetition learning.

R3 delivers regular bite-sized learning work-outs to increase learner engagement and knowledge retention to continuously boost safety awareness, compliance and job role competence.

- ✓ Workouts tailored to each course and learning objective
- ✓ Delivers tailored workouts based on course results helping workers to build knowledge in their weaker areas
- ✓ Mix of knowledge building workouts and multiple choice quizzes
- ✓ Gamification to increase engagement and team building
- ✓ Track delegate engagement, retention and performance
- ✓ Helps reduce future training costs
- ✓ Build your own tailored learning workouts in minutes



Best-in-class advanced Simulators

Revolutionise the way your workforce learns and test their skills.

Developed to provide highly realistic and immersive learning environments which emulate drilling, well control, well intervention and crane operations in real time.

- | | |
|-----------------------------------|---------------------------------------|
| ✓ Range of full size and portable | ✓ Increase competence and performance |
| ✓ Stunning 3D environments | ✓ Test safety-critical scenarios |
| ✓ Digital Twin Platform | ✓ Helps to Increase asset uptime |



Track Record & Case Studies

In 2019 TotalEnergies E&P UK (TEPUK) came to market for a new TMS provider having spent the previous 10+ years working with the same incumbent TMS provider.

TEPUK were looking for a partner to modernise and digitise their approach to training management and learning delivery and following a stringent selection process awarded AIS Survivex with a 5 year TMS contract.

TEPUK wanted to execute the services within a 3 month window from contract award in Dec 2019 to go live by 31st March 2020.

AIS Survivex developed a robust project implementation plan to ensure that all critical steps required to achieve the integration on time were identified and executed.

The TMS service was implemented on time, with no disruption to service and with training compliance maintained at all times. TEPUK have been extremely complimentary about the professionalism from AIS Survivex in the integration process and this has led to a phase 2 project to implement additional improvements to the service and underlying systems. At the of 2022 this UK agreement was extended to include all TotalEnergies global locations.

Key Contract Features:

- Training matrix management
- Expiry/gaps management
- Delivery of onshore and offshore training
- Provided for TEPUK staff and contractors
- Managed events
- Updating of Skills VX (UK) Lizzy (Global)
- Responsible for all training for Total Energies in the UK



“TEPUK were looking to digitise their approach to training management and training delivery. They were looking for a comprehensive solution that gave them full visibility across their numerous business units to monitor the validity of training certificates and the compliance of each person, team and asset.

Outsourcing training management to an expert business helps ensure that companies like TEPUK maintain the highest levels of workforce safety and compliance whilst staying abreast of the very latest technological trends in training delivery and management.”

Jan Calder
TEPUK

Project Overview

Guyana has experienced a recent rapid increase in its Oil & Gas infrastructure following major hydrocarbon discoveries. Guyana does not have a history of Oil & Gas production and therefore lacked many of the key skills within its workforce required to independently manage and operate the infrastructure.

The Guyanese Government have a vision of 80% local content workforce in the Oil & Gas industry to ensure self sufficiency and employment opportunities for the local workforce.

The Guyanese Ministry of Education, through GOAL, approached 3t EnerMech to tailor a bespoke solution to meet these objectives.

Our solution

3t EnerMech have designed a bespoke technical training programme which focusses on developing core skills and competencies for specific roles which are required for the operational effectiveness of the O&G infrastructure in Guyana.

Our blended learning programme has been based across 3 key stages to ensure an appropriate H&S culture was embedded, supplemented by a core training discipline to allow workers to enter the workforce in a productive capacity.

The stages of learning were:

Stage 1 – Pre Learning assessment: designed to establish a baseline level of knowledge and core skill to help tailor the learning programme

Stage 2 – Safety Passport: a self paced digital learning programme covering a range of Health & Safety and Operational Effectiveness eLearn's and Video Learns to build a core level of knowledge and understanding

Stage 3 – Technical Pathway: a 5 week intensive training programme encompassing 90% practical delivery of a core discipline. Cadre 1 delegates attended Rigging, Pipefitting & Plating programmes.

The programme is accredited by ECITB and each learner achieves a relevant Level 3 qualification and is work ready at the end of the programme. The first 150 Guyanese nationals have been enrolled to the programme with plans to develop further programmes to suit the expanding needs of industry.

KEY OUTCOMES

The majority of the first cohort of students to complete this program are now in the process of being offered full-time employment within the Oil & Gas Industry, a true measure of success for this program.



Project Overview

Angola LNG (ALNG) wish to develop a robust vocational training program to support the development of new Interns working in Electrical, Mechanical & Instrumentation disciplines.

ALNG sought support from 3tEM as an international training partner to support in the development and delivery of a 6 week training program in each of the aforementioned technical disciplines and the induction of new interns to the ALNG site.

Initially, 3tEM instructors were deployed to site during April 2022 to support with the initial site familiarisation,

Instructors will then support the progress of the interns through their Internship Program by working a 28day rotation with each intern discipline throughout 2022/23.

INTERNSHIP PROGRAM DEVELOPMENT AND DELIVERY

PHASE 1

Instructor Initial Site Mobilisation

- Site familiarisation
- Review of learning materials
- First stage development of materials and curriculum

PHASE 2

Development of Learning Program

- Training consultancy services
- Development of learning materials with relevant SMEs
- Design and construction of Internship Programme

PHASE 3

Delivery of Internship Program

- Delivery of Internship Training programme and ongoing mentoring
- Regular rotation of Instructors and SMEs to match the work rotation of the interns



Project Overview

BP commissioned 3t to develop a bespoke training programme for the development of key skills and competencies for the production crew of the Tortue Ahmeyim LNG project in Senegal & Mauritania. Training programme specifically focussed on developing skills and capabilities of;

Production Technicians,
Mechanical Technicians and,
Electrical Technicians.

Priority was for use of blended learning programmes incorporating a VR Digital Twin of the Tortue FPSO to enable the crew to carry out equipment familiarisation scenarios and competence assessments whilst the vessel was under construction.

Our solution

3t developed a bespoke training curriculum for the production crew to be employed on the project utilising immersive learning technologies including Virtual Reality.

Our team devised a bespoke 4 week onboarding programme by extracting safety critical information from the FPSO Standard Operating Guides (SOGs) and Standard Operating Procedures (SOPs) and turning this into a bespoke learning and assessment programme to prepare the crew to join the vessel prior to commissioning.

“Following an extensive tender process, we are delighted to award our new training contract to Survivex and the 3T Energy Group.

The 3T Energy Group demonstrated a creative and innovative approach to the project requirements and we are excited about working with them on this and future projects.”

Will Kelly, Organisational Capability Manager, BP
Reference letter available on request from Will Kelly: william.kelly2@uk.bp.com



Utilising the VR digital twin we were able to create an exact digital replica of the FPSO, QU & Hub which was then overlayed with a series of real-life scenarios and competence assessments for safety critical production equipment, safety procedures and drills.

3t were also able to supply remote equipment to support the deployment of the VR programme during the COVID-19 lockdown to ensure participation by all relevant project personnel whilst working from home.



Since 2015 we have partnered with Wood on a fully outsourced Training Management Service to help manage and deliver safety and skills training for a 10,000 strong global workforce.



Software and Technology



How we helped

Streamline workforce management workflow by using one platform	Real-time compliance and competence profiles	Year on year growth with new divisions using platform to connect data
HR system (Oracle) integration for seamless employee data migration	Created tailored dashboards for training admins, OIMs and management teams.	18% savings in like for like training spend
Revolutionise the job role training matrix management – replaced manual spreadsheet matrices	Reduced admin team for training and competence teams	Reduction in internal L&D headcount saving approx. £280,000 per annum in admin costs

Quote from client

“Working with 3t Energy Group for the last 5 years, we have seen significant improvements in the efficiency and performance of our L&D function.

Their vision to pioneer digital solutions in the delivery of the services is unrivalled and has led to us agreeing to renew our TMS arrangement with them for at least the next 3 years”

Audrey Nagamura
Wood plc

CNOOC, China - OPITO approved Survival training centre



Challenge

CNOOC were keen to establish an OPITO training centre in the country to cater to demand for globally recognized training standards in the Oil & Gas sector. This required bringing the existing survival pool up to global standards and specifying equipment as well as gaining stringent OPITO approvals and providing software solutions to help manage delegates training competencies.

Our solution

Our proposal satisfied all of CNOOC's objectives. Our world-class instructor teams travelled regularly to site, providing guidance and direction on the specification of their survival pool as well as processes & procedures for maintenance. We liaised directly with OPITO, producing everything required to satisfy their audits and run courses.

Outcomes

With the support of 3t, CNOOC's Bohai Offshore Training Base became the very first OPITO approved training centre in China, at the first time of asking, delivering OPITO accredited training within the first few months of becoming operational.

3t were subsequently awarded a follow-up contract over the following 2 years for annual monitoring audit services.



Arcon, Maryland, USA - GWO approved Survival training centre

Challenge

Arcon were an existing welding training organisation who wanted to capitalise on the burgeoning Offshore Wind market developing off the East Coast of the United States.

Ideally placed in Maryland to service the new developments in Ocean City which was a new \$1.5m project expected to produce approximately 270 MW of power.

Our solution

We delivered a complete turnkey service which took Arcon right through the entire development process from identifying suitable premises, construction of infrastructure, identification and recruitment of training personnel, train the trainer programmes, curriculum development and ultimately GWO approval. All delivered despite external COVID-19 challenges.

Our solution

Arcon are on track to achieve GWO approval in October 2020 and will see the delivery of first courses scheduled in for early November 2020.

This included the provision of our market leading Training Management Software platform to Power up their training business.



3t EnerMech current TMS customer base



34

Active TMS
clients globally

100k

Number of
employees our
solutions manage

3

Dedicated TMS support
team's around the world

The following international oil & gas organisations currently benefit from a 3t EnerMech Training Management Service:



wood.



HALLIBURTON



BRAND SAFWAY

Schlumberger



Thank you

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On behalf of 3t EnerMech