award Technology Middle East

COURSE OVERVIEW DE0295
Coiled Tubing Well Intervention (Basic)

Course Title
Coiled Tubing Well Intervention (Basic)

Course Date/Venue
Please see page 3

Course Reference
DE0295

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

Coiled Tubing is the process of running a reel continuous tubing into a well that is still under pressure. Coiled Tubing equipment is portable and modular although modern reels are reaching high transport weights and offers quick rig-up times. The maximum working depth of Coiled Tubing is usually determined by the amount of tubing that can be spooled onto a reel rather than the TVD. Highly deviated wells can cause problems with Coiled Tubing as, like wireline, gravity is required to keep the tubing moving down the well-bore. This can now be overcome to a certain extent with the use of downhole "tractors" which pull the coiled tubing from the bottom. Coiled Tubing can be used for a very wide range of jobs such as, Nitrogen lifting wells, clean-up operations, spotting acid at the perforations, fishing operations, spotting cement and PLT.

This course is designed to provide participants with a detailed and up-to-date overview of Coiled Tubing Operations. It covers the coiled tubing reel and well control equipment; the power packs and hydraulic systems; the transport and rig-up procedures for coiled tubing units including applications and clean-up operations and procedures; the processes and safety considerations of nitrogen lifting wells; and the methods of spotting acid at perforations.

During this interactive course, participants will learn the fishing operations, coiled tubing job design, acidizing and stimulation techniques; the coiled tubing interventions planning and the role of downhole “tractors”; the cementing and zonal isolation techniques; the PLT (production logging tool) and properties and handling of downhole fluids; the most commonly used downhole tools for specific operations; the overall operational performance; the real-time monitoring and data interpretation; the common issues of performance troubleshooting; working safely with liquid nitrogen; the general safety protocols in coiled tubing operations; the prevention and management of kick situations; and the selection and usage of appropriate personal protective equipment (PPE).

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on coiled tubing operations
- Identify coiled tubing equipment, well control equipment, coiled tubing application, job design acidizing and stimulation techniques
- Manage and execute coiled tubing interventions
- Increase overall operational performance during coiled tubing interventions
- Select the most commonly used downhole tools and explain their function
- Work safely with liquid nitrogen
- Identify the components and specifications of the coiled tubing reel and the components and usage of well control equipment
- Recognize power packs and hydraulic systems and carryout transport and rig-up procedures for coiled tubing units
- Employ coiled tubing applications and clean-up operations and procedures
- Apply processes and safety considerations of nitrogen lifting wells and the methods of spotting acid at perforations
- Illustrate fishing operations, coiled tubing job design and acidizing and stimulation techniques
- Plan coiled tubing interventions, identify the role of downhole “tractors” in coiled tubing operations and apply cementing and zonal isolation techniques using coiled tubing
- Recognize PLT (production logging tool) and properties and handling of downhole fluids
- Identify the most commonly used downhole tools and apply tool selection criteria for specific operations
- Determine overall operational performance during coiled tubing interventions and carryout real-time monitoring and data interpretation
- Identify and address the common issues of performance troubleshooting
- Work safely with liquid nitrogen and apply general safety protocols in coiled tubing operations
- Carryout prevention and management of kick situations as well as select and use appropriate personal protective equipment (PPE)

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides overview of all significant aspects and considerations of coiled tubing operations for production engineers, drilling supervisors, well engineers, resources engineers, petroleum engineers and those interested in applying CT technology for workover services, drilling, completions and production operations and those who need an update on the latest CT technology.

Course Date/Venue

Session(s)	Date	Venue
1	June 21-25, 2026	Pierre Lotti Meeting Room, Movenpick Hotel Istanbul Golden Horn, Istanbul, Turkey
2	August 10-14, 2026	Ruben Boardroom, The Rubens at The Palace, Buckingham Palace Road, London, United Kingdom
3	September 20-24, 2026	Meeting Plus 9, City Centre Rotana, Doha, Qatar
4	October 19-23, 2026	Salon Expo, NH Hotel Plaza de Armas, Seville, Spain
5	December 13-17, 2026	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
6	February 14-18, 2027	Meeting Room 4, Four Seasons Hotel Cairo at Nile Plaza, Corniche El Nil, Garden City, Cairo, Egypt

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. Stan Constantino, MSc, BSc, is a **Senior Petroleum & Reservoir Engineer** with over **30 years** of **Offshore & Onshore** extensive experience within the **Oil**, **Gas & Petroleum** industries**.** His area of expertise include **Reserves & Resources**, **Reserves Estimation & Uncertainty**, **Reservoir** Characterization, **Unconventional Resource & Reserves** Evaluation, **Oil & Gas Reserves** Estimation, Methods for **Aggregation of Reserves & Resources**, **Fractured Reservoir** Classification & Evaluation, **Sequence Stratigraphy**, **Petrophysics & Rock** Properties, **Seismic** Technology, **Geological** Modelling, **Water Saturation**, **Crude Oil & Natural Gas** Demand, **Exploration Agreements & Financial** Modelling, **Seismic Survey** Evaluation, **Exploration Well** Identification, **Field Production** Operation, **Field Development** Evaluation, Crude Oil Marketing, **Core & Log Data** Integration, **Core Logging**, Advanced **Core & Log Integration**, **Well Logs & Core Analysis**, Advanced Petrophysics/Interpretation of **Cased Hole Logs**, **Cased Hole Formation Evaluation**, **Cased Hole Formation** Evaluation, **Cased Hole Evaluation**, **Cased-Hole Logging**, Applied **Production Logging & Cased Hole & Production Log** Evaluation, **Cased Hole Logging & Formation** Evaluation, Open & Cased Hole Logging, Screening of Oil Reservoirs for **Enhanced Oil Recovery**, **Enhanced Oil Recovery**, **Enhanced Oil Recovery** Techniques, **Petroleum Economic** Analysis, **Oil Industry** Orientation, **Oil Production & Refining**, **Crude Oil Market**, **Global Oil Supply & Demand**, **Global Oil Reserves**, **Crude Oil** Types & Specifications, **Oil Processing**, **Oil Transportation-Methods**, **Oil & Gas** Exploration and Methods, **Oil & Gas** Extraction, Technology Usage in Industrial Security; **Upstream**, **Midstream** & **Downstream Operations**; **Oil Reservoir** Evaluation & Estimation, **Oil Supply & Demand**, **Oil Contracts**, **Government Legislation & Oil Contractual Agreements**, **Oil Projects** & Their Feasibility (revenue and profitability), **Water Flooding**, **Reservoir** Souring & Water Breakthrough, **Reservoir Performance** Using Classical Methods, **Fractured Reservoir** Evaluation & Management, **Reservoir Surveillance** & Management, **Reservoir Engineering** & Simulation, **Reservoir Monitoring**, **Pressure Transient** Testing & **Reservoir** Performance Evaluation, **Reservoir** Characterization, **Reservoir** Engineering Applications with ESP and Heavy Oil, **Reservoir** Volumetrics, Water Drive Reservoir, **Reserve** Evaluation, Rock & Fluid Properties, Fluid Flow Mechanics, PVT Analysis, Material Balance, Darcy's Law & Applications, Radial Flow, **Gas Well** Testing, Natural Water Influx, EOR Methods, Directional Drilling, **Drilling** Production & Operations, Field Development & Production of Oil & Gas, **Wireline Logging**, **Mud Logging**, **Cased Hole Logging**, **Production Logging**, **Slick Line**, **Coil Tubing**, Exploration Wells Evaluation, **Horizontal Wells**, **Well Surveillance**, **Well Testing**, **Design & Analysis**, **Well Testing & Oil Well Performance**, **Well Log Interpretation** (**WLI**), **Formation Evaluation**, **Well Workover Supervision**, **Pressure Transient Analysis** and **Petrophysical Log Analysis**. Currently, he is the **CEO** & **Managing Director** of **Geo Resources Technology** wherein he is responsible in managing the services and providing technical supports to underground energy related projects concerning **field development**, **production**, **drilling**, **reservoir engineering** and **simulation**.

Throughout his long career life, Mr. Stan has worked for many international companies such as the **Kavala Oil**, **North Aegean Petroleum Company** and **Texaco Inc.**, as the **Managing Director**, **Operations Manager**, **Technical Trainer**, **Training Consultant**, **Petroleum Engineering & Exploration Department Head**, **Assistant Chief Petroleum Engineer**, **Reservoir Engineer, Resident Petroleum Engineer**, **Senior Petroleum Engineer** and **Petroleum Engineer** wherein he has been managing the evaluation of exploration wells, reservoir simulation, development training, production monitoring, wireline logging and well testing including selection and field application of well completion methods.

Mr. Stan has a **Master's** degree in **Petroleum Engineering** and a **Bachelor's** degree in **Geology** from the **New Mexico Institute of Mining & Technology** (**USA**) and from the **Aristotelian University** (**Greece**) respectively. Further, he is a **Certified Instructor/Trainer**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership of Management (ILM**) and a member of the Society of Petroleum Engineers, USA (**SPE**), Society of Well Log Professional Analysts, USA (**SPWLA**) and European Association of Petroleum Geoscientists & Engineers (**EAGE**). Moreover, Mr. Stan published numerous scientific and technical papers and delivered various trainings, courses and workshops worldwide.

Course Fee

Istanbul	**US$ 8,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
London	**US$ 8,800** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Doha	**US$ 8,500** per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Seville	**US$ 8,800** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	**US$ 8,000** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Cairo	**US$ 8,000** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Coiled Tubing Operations***
0930 – 0945	*Break*
0945 - 1030	***Coiled Tubing Equipment***
1030 - 1130	***Components & Specifications of the Coiled Tubing Reel***
1130 - 1230	***Well Control Equipment:*** *Components & Usage*
1230 – 1245	*Break*
1245 - 1330	***Power Packs & Hydraulic Systems***
1330 - 1415	***Transport & Rig-up Procedures for Coiled Tubing Units***
1415 - 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***Coiled Tubing Applications***
0930 – 0945	*Break*
0945 - 1030	***Clean-up Operations & Procedures***
1030 - 1130	***Nitrogen Lifting Wells:*** *Processes & Safety Considerations*
1130 - 1230	***Spotting Acid at Perforations:*** *Importance & Methods*

1230 – 1245	Break
1245 - 1330	***Fishing Operations: Techniques & Tools***
1330 - 1415	***Coiled Tubing Job Design:*** *Planning & Considerations*
1415 - 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 - 0930	***Acidizing & Stimulation Techniques:*** *Overview & Applications*
0930 – 0945	Break
0945 - 1030	***Coiled Tubing Interventions:*** *Methods & Planning*
1030 - 1130	***Role of Downhole "Tractors" in Coiled Tubing Operations***
1130 - 1230	***Cementing & Zonal Isolation Techniques using Coiled Tubing***
1230 – 1245	Break
1245 - 1330	***PLT (Production Logging Tool) & its Importance***
1330 - 1415	***Downhole Fluids:*** *Properties & Handling*
1415 - 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4

0730 - 0930	***Most Commonly Used Downhole Tools***
0930 – 0945	Break
0945 - 1030	***Tool Selection Criteria for Specific Operations***
1030 - 1130	***Overall Operational Performance during Coiled Tubing Interventions***
1130 - 1230	***Real-time Monitoring & Data Interpretation***
1230 – 1245	Break
1245 - 1330	***Performance Troubleshooting:*** *Identifying & Addressing Common Issues*
1330 - 1415	***Case Studies:*** *Analysis of Real-world Coiled Tubing Operations*
1415 - 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5

0730 - 0930	***Work Safely with Liquid Nitrogen:*** *Handling, Storage & Operational Considerations*
0930 - 0945	Break
0945 – 1045	***General Safety Protocols in Coiled Tubing Operations***
1045 – 1230	***Prevention & Management of Kick Situations***
1230 – 1245	Break
1245 – 1330	***Personal Protective Equipment (PPE) Selection & Usage***
1330 – 1400	***Course Conclusion***
1400 – 1430	***POST-TEST***
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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