



**MAESTRO**  
CONSULTANTS

**COILED TUBING  
SPECIALIST: ADVANCED  
COILED TUBING &  
WIRELINE APPLICATIONS  
COURSE OUTLINE 2025**

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## **TRAINING TITLE**

COILED TUBING SPECIALIST: ADVANCED COILED TUBING & WIRELINE APPLICATIONS

## **VENUE**

CAIRO, EGYPT

## **DURATION**

5 Days

## **DATES**

06-10 July 2025

## **PRICE**

\$5,250 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch.

## **TRAINING INTRODUCTION**

The Coiled Tubing Specialist: Advanced Coiled Tubing & Wireline Applications course is a technical, hands-on program tailored for oil and gas professionals involved in well intervention, servicing, and completion operations. It provides an in-depth understanding of coiled tubing (CT) and wireline technologies, advanced applications, operational challenges, and integration techniques. The course emphasizes practical solutions for wellbore interventions, such as cleanouts, logging, perforating, stimulation, and fishing, while ensuring safety, efficiency, and well integrity.

This course combines theory, real-world case studies, and problem-solving exercises to help participants master complex coiled tubing and wireline applications in today's demanding well environments.

## **TRAINING OBJECTIVES**

By the end of the course, participants will be able to:

- Understand the advanced operational principles of coiled tubing and wireline services.
- Apply CT and wireline tools for complex well intervention tasks.

- Plan and execute CT operations, including acidizing, milling, and fishing jobs.
- Integrate CT with wireline logging and perforating operations effectively.
- Identify and troubleshoot operational issues in high-pressure or deviated wells.
- Ensure safety and compliance during advanced well interventions.
- Interpret well data for performance optimization of CT and wireline operations.

## **TRAINING AUDIENCE**

- Coiled Tubing Engineers and Supervisors
- Wireline Operators and Technicians
- Well Intervention and Completion Engineers
- Field Service Engineers
- Production Engineers and Field Specialists
- HSE Officers involved in well servicing operations

## **TRAINING OUTLINE**

### Day 1: Coiled Tubing Technology Overview

- **Module 1: Fundamentals of Coiled Tubing Operations**
  - CT equipment and reel setup
  - String design, fatigue, and lifecycle considerations
  - Fluids compatibility and hydraulic calculations
- **Module 2: Surface Equipment and Pressure Control**
  - Blowout preventers (BOPs), injectors, and strippers
  - Pressure control equipment: selection and maintenance
  - CT deployment in live wells and underbalanced conditions

### Day 2: Advanced Coiled Tubing Applications

- **Module 3: Well Cleanout and Sand Removal**
  - Jetting techniques, reverse circulation, and fluid dynamics
  - Using CT in deviated and horizontal wells
- **Module 4: Stimulation and Acidizing Operations**
  - Matrix acidizing and fracture stimulation

- Chemical compatibility, corrosion control, and safety
- **Module 5: Milling and Cutting Operations**
  - Scale, plug, and cement milling
  - Bit types, tool selection, and operational parameters

#### Day 3: Wireline Technology and Applications

- **Module 6: Overview of Electric and Slickline Wireline**
  - Wireline unit components and operating principles
  - Cable specifications, toolstrings, and surface gear
- **Module 7: Logging and Perforation with Wireline**
  - Cased hole logging (e.g., GR/CCL, production logging)
  - Perforating with wireline: safety, depth control, and detonation systems
- **Module 8: Wireline Intervention and Fishing**
  - Mechanical and hydraulic setting tools
  - Pulling stuck tools and retrieving parted wire

#### Day 4: Integration and Operational Efficiency

- **Module 9: Combining CT and Wireline**
  - Hybrid operations: logging while running CT
  - Conveyance options for deep, deviated, or high-angle wells
- **Module 10: Trouble-Shooting and Problem Solving**
  - Tackling common issues: lock-up, pressure loss, flow restriction
  - Case studies of operational challenges and how they were resolved
- **Module 11: HSE and Job Planning**
  - Risk assessment and safety procedures
  - Job planning, checklist development, and incident response

#### Day 5: Simulation and Review

- **Module 12: Real-World Applications and Case Studies**
  - Analysis of successful CT/wireline campaigns
  - Discussion of failures and key takeaways

### **TRAINING CERTIFICATE**

**MAESTRO CONSULTANTS** Certificate of Completion for delegates who attend and complete the training course.

## **METHODOLOGY**

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of “real life” issues in their organizations. The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.