



Consulting and Training | Reach New Heights

Course Name

Well Integrity Management System Throughout the Well Life Cycle

Sector Name

Oil, Gas and Chemical

Document Type

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Well Integrity Management System Throughout the Well Life Cycle

Course Introduction

This intensive **5 day** course provides a comprehensive understanding of well intervention techniques and operations used to maintain, repair, and enhance oil and gas wells. It integrates key disciplines including Casing & Tubing Running Services (TRS), Cementing, Fishing, Directional Drilling, Stimulation and Coiled Tubing Services.

Participants will gain both theoretical knowledge and practical insights into planning, executing, and optimizing well intervention operations safely and efficiently.

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Target Audience

- ✓ Process design
- ✓ Unit Operator
- ✓ Environmental
- ✓ Process safety engineer
- ✓ Gasoline blender engineer
- ✓ Lab supervisor
- ✓ Supply chain engineer
- ✓ Distillates analyst
- ✓ Models engineer
- ✓ Chemical Operator
- ✓ Chemical Plant Operator
- ✓ Chemical Process Technician
- ✓ Control Room Supervisor
- ✓ Gas Plant Process Operator
- ✓ Gas Production Operator
- ✓ Gas Terminal Operations and Storage
- ✓ Gathering Pipeline engineer
- ✓ Oil Terminal / Storage engineer
- ✓ Pipeline Maintenance / Equipment / Compliance / Repair
- ✓ Pipeline Testing / Technician / Supervisor / Safety

- ✓ Plant Equipment Operator
- ✓ Plant Operations Technician
- ✓ Plant Shutdown
- ✓ Plant Supervisor
- ✓ Power Distribution
- ✓ Power Plant Manager
- ✓ Process Supervisor
- ✓ Refinery Operations Technician / Manager
- ✓ Terminal Operator / Manager
- ✓ Utilities Operator

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Learning Objectives

- ✓ Understand the fundamentals of well intervention operations
- ✓ Identify well integrity issues and intervention requirements
- ✓ Apply best practices in casing & tubing (TRS) operations
- ✓ Understand cementing techniques for remedial and zonal isolation
- ✓ Plan and execute fishing operations
- ✓ Understand basics of directional drilling in intervention contexts
- ✓ Evaluate and design stimulation treatments
- ✓ Understand coiled tubing operations and applications
- ✓ Improve operational safety, efficiency and decision-making

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Course Outline

✓ **01 Day One**

Introduction to Well Intervention & TRS (Casing & Tubing)

- ✓ Overview of well lifecycle and intervention role
- ✓ Types of well interventions (light, medium, heavy)
- ✓ Well barriers and integrity basics
- ✓ Introduction to Casing & Tubing Running Services (TRS)
- ✓ Equipment and tools used in TRS
- ✓ Running, pulling, and handling casing/tubing
- ✓ Common operational challenges and best practices

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Course Outline

✓ 02 Day Two

Cementing in Well Intervention

- ✓ Fundamentals of cementing
- ✓ Types: primary vs remedial cementing
- ✓ Zonal isolation and well integrity
- ✓ Cement properties and slurry design
- ✓ Squeeze cementing techniques
- ✓ Plug setting and abandonment basics

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Course Outline

✓ **03 Day Three**

Well Integrity and Flow Assurance Risks

- ✓ Cement Integrity Evaluation.
- ✓ Case Histories.
- ✓ Cement Quality Assurance Enhancement.
- ✓ Remedial Actions.
- ✓ Scale and Hydrate Management Overview
- ✓ Corrosion Management Overview
- ✓ Sand and Erosion Management Overview
- ✓ Overview of Standards for Well Integrity
- ✓ Real-life examples are used to illustrate the subjects.

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Course Outline

✓ **04 Day Four**

Well Stimulation Techniques

- ✓ Introduction to well stimulation
- ✓ Formation damage and productivity issues
- ✓ Matrix acidizing and acid fracturing
- ✓ Hydraulic fracturing basics
- ✓ Candidate selection and design considerations
- ✓ Operational procedures and safety
- ✓ Environmental considerations

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Course Outline

✓ **05 Day Five**

Coiled Tubing Services & Integrated Operations

- ✓ Introduction to coiled tubing (CT)
- ✓ CT equipment and components
- ✓ Applications: cleanouts, acidizing, nitrogen lifting
- ✓ CT in deviated and horizontal wells
- ✓ Real-time monitoring and control
- ✓ Integrated well intervention planning
- ✓ Risk assessment and safety management

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Nov. 29, 2026	Dec. 3, 2026	5 days	4250.00 \$	Bahrain , Manama
Jan. 18, 2027	Jan. 22, 2027	5 days	5950.00 \$	USA , Texas
Aug. 16, 2027	Aug. 20, 2027	5 days	2150.00 \$	Virtual , Online
May 10, 2027	May 14, 2027	5 days	4250.00 \$	UAE , Dubai
Aug. 9, 2027	Aug. 13, 2027	5 days	4250.00 \$	UAE , Dubai

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