Introduction to Oil Country Tubular Goods (OCTG) Course

1 – 5 February 2027
London (UK)



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Ref: 322936_219600 **Date:** 1 – 5 February 2027 **Location:** London (UK) **Fees:** 6100 GBP

Course Description

This comprehensive 1-week course provides a thorough introduction to Oil Country Tubular Goods OCTG, covering essential aspects of the oil and gas industry. Participants will gain in-depth knowledge of OCTG products, manufacturing processes, quality control measures, and practical applications in well construction and maintenance.

Learning Objectives

- Understand the fundamentals of OCTG and their role in oil and gas operations
- Identify different types of OCTG products and their specific applications
- Learn about OCTG manufacturing processes and quality control measures
- Develop skills in OCTG selection and string design for various well conditions
- Gain insights into industry standards, material properties, and corrosion resistance
- Explore the latest innovations and trends in OCTG technology

Course Modules

Day 1: Introduction to OCTG

- Overview of the oil and gas industry
- Types of OCTG: casing, tubing, and drill pipes
- OCTG standards and specifications
- Material properties and steel grades

Day 2: OCTG Manufacturing Processes

- Seamless pipe production
- Welded pipe production
- Heat treatment and finishing operations
- Quality control and testing procedures

Day 3: OCTG Connections and Threading

- API connections vs. premium connections
- Threading processes and technologies
- Connection performance and testing
- Best practices for running and handling



Day 4: OCTG Applications and String Design

- Well construction basics
- Casing and tubing string design principles
- Load calculations and safety factors
- Material selection for different well conditions

Day 5: OCTG Innovations and Future Trends

- Corrosion-resistant alloys and coatings
- Smart OCTG and real-time monitoring
- Environmental considerations and sustainability
- Emerging technologies in OCTG manufacturing

Practical Wins for Participants

- Ability to select appropriate OCTG products for specific well conditions
- Skills to perform basic string design calculations
- Understanding of quality control measures in OCTG manufacturing
- Knowledge of the latest OCTG innovations and their potential applications

