

**Training Title**

**ADVANCED DRILLING PRACTICES**

**Training Duration**

**5 days**

**Training Venue and Dates**

DE034	Advanced Drilling Practices	5	10-14 Feb 2025	\$6,500	Amsterdam, Netherlands
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In any of the 4 or 5-star hotels. The exact venue will be intimated once finalized.

**Training Fees**

\$6,500 per participant including Very useful Materials/ Handouts, Tea/Coffee, Breakfast, Snacks, Refreshments, and Lunch.

**Training Certificate**

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

**TRAINING OVERVEIW**

Today's drilling personnel must have a working knowledge of all the required disciplines in order to effectively drill a well. The course provides all the fundamentals necessary to drill a well whether it is a shallow well or a complex, high pressure well.

The training course is also designed for engineers and field personnel involved in the planning and implementation of drilling programs. The course covers all aspects of drilling technology, emphasizing both theory and practical application.

Computer programs are used to design many aspects of the modern well and the course will provide the participants with the theory behind most programs along with practical implementation. The course will also include advanced Mud Logging principles and operations.

This PetroKnowledge training course builds a firm foundation in the principles and practices of drilling and well planning, drilling fluid, drill string design, hydraulic optimization and drilling hole problems. Participants will learn the components of drilling string and how to use each in optimum ways, how to evaluate the WOB and select the proper size of drill collar. Participants will also be able to apply the practical solution for analyzing the performance of drill string design for both vertical and direction holes.

**TRAINING OBJECTIVES**

DMCT/OL/9/18(Rev3Dt:23/9/18)

Upon successful completion of the workshop, participants will be able to:

- How to plan a well from spud into completion phase with cost effectively.
- How to avoid potential problems during drilling operations
- Dealing with different types of drilling problems proactively.
- Get familiar with Design and implement casing, cement and hydraulics.
- Manage the drilling fluid and avoid formation damage.

### WHO SHOULD ATTEND

The workshop is intended for Drilling Engineers, Drilling Representatives, Drilling Fluid Engineers and Contractor Personnel, Drilling Supervisors. Mud Engineers, Cementing Engineers (Offshore and Onshore Personnel), Tool Pushers, Manager and Technical Support involved with drilling operations and responsible for the development, planning and application of the drilling fluids program.

### TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivate everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of the multiple-choice type will be made available on a daily basis to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

### COURSE OUTLINE

Overall Drilling practices

- Introduction to drilling operations
- Types of Rigs
- Rig component
- Methods of drilling
- Well proposal and design.
- Well drilling program.
- Case study
- Video film CD-DVD

Drilling Operations

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- Making hole and bit selection.
- Drilling fluids operations
- Solids Control
- Casing operations
- Cementing operations
- Case study, practices exercises

#### Drilling problems and Prevention

- Lost circulation
- Stuck pipe
- Kick and well control.
- Shale problems
- Fishing operations
- Formation damage
- Well, completion.
- HS&E Considerations (Health, Safety & Environmental)
- Review and discussion

#### NOTE:

**Pre & Post Tests will be conducted.**

**Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.**

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