

Training Title

DRILLING FLUIDS & SOLID CONTROL - INTERMEDIATE LEVEL

Training Duration

5 days

Training Date

DE006	DRILLING FLUIDS & SOLID CONTROL - INTERMEDIATE LEVEL	5	23-27 September 2024	\$6,500	London, UK
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In any of the 4 or 5 star hotels. The exact venue will be informed once finalized.

Training Fees

- **\$6,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch.**

Training Certificate

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

Language: English

OBJECTIVES:

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

- **Acquire Basic Knowledge on Drilling Fluids and Best Drilling Fluids Procedures and Practices.**
- **Use clay and polymers to achieve desired mud properties.**
- **Apply water chemistry to the treatment of drilling fluids.**
- **Perform a complete API water-based mud and non-aqueous drilling fluids tests**
- **Evaluate the information on an API water-based and non-aqueous drilling fluid report**

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- Identify drilling fluid contaminants and prescribe corrective treatments.
- Select water phase salinity and activity for bore hole stability
- Select non-aqueous fluids to meet drilling requirements and environmental concerns.
- Manage non-aqueous drilling fluid systems

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 find the right answers. The delegates will also be encouraged to raise their own questions and to share in the development of the right answers using their own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course. Booklet, Power-Point presentations, Handouts, Videos, User group discussions and practices on case study

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

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.

COURSE OUTLINE:

Day 1:

Registration & Coffee

Welcome & Introduction

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- **Classification of Drilling Fluids and Additives**
- **Completion Fluids**
- **Clay Chemistry**
- **Corrosion**

Day 2:

- **Displacement**
- **Drill-In Fluids**
- **Field and Specialized Tests**
- **Foam and Aerated Fluids**
- **Lost Circulation**

Day 3:

- **Oil-Based Mud (OBM) System.**
- **Rheology and Hydraulics**
- **Solids Control**
- **Screen devices**
- **Centrifugal separation devices**
- **Stuck Pipe**

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Day 4:

- **Synthetic Based Mud (SBM) System.**
- **Tables-Charts-Calculations**
- **Troubleshooting**
- **Water-Based Mud (WBM) System.**

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- Workshops, Group Work & Practical Exercises

Day 5:

- HS&E Considerations (Health, Safety & Environmental)
- Well Control
- Kill methods
- Kick Control Problem
- Cuttings/Cleaning and Disposal
- Drill Cuttings Evaluation

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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