

Training Title

DRILLING FLUIDS MUD TECHNOLOGY AND HYDRAULICS

Training Duration

5 days

Training Venue and Dates

Drilling Fluids Mud Technology And Hydraulics	5	07th to 11th December 2025	\$5,500	Cairo, Egypt.
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Trainings will be conducted in any of the 4 or 5 star hotels.

Training Fees

- **5,500 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch.**

Training Certificate

Prolific Consultants FZE Certificate of Course Completion will be issued to all attendees.

COURSE OVERVIEW

COURSE DESCRIPTION

This course is intended for individuals with prior experience in drilling fluids and extends their knowledge to drilling hydraulics and mud technology. It aims to provide basic understanding of drilling hydraulics, the methods and techniques used for pressure drop estimation, overview of drilling fluid rheology and how it affects drilling hydraulics.

COURSE OBJECTIVES:

By the end of this course, participant will be able to:

- ***State the principles for controlling drilling fluids and solids control.***
- ***Provide emphasis on the application of current and developing technologies.***
- ***Understand how technologies affect drilling operations.***
- ***Provide insight into the day-to-day operations, popular drilling fluid types and recurring solids control problem.***
- ***Acquire remedial action quickly, inexpensively and with maximum hole making results.***

SUITABLE FOR:

- ✓ ***Drilling engineers***
- ✓ ***Drilling representatives***
- ✓ ***Drilling fluid engineers and contractor personnel***
- ✓ ***Drilling supervisors***
- ✓ ***Mud engineers***
- ✓ ***Cementing engineers***

- ✓ Tool pushers
- ✓ Managers

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. 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 multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course. Very useful Course Materials will be given.

COURSE OUTLINE :-

Day 1

Drilling Fluids

- History
- Purpose
- Types
- Properties
- Testing

Day 2

Mud Engineers and Mud Service Companies

- People involved
- Purpose
- Training

Day 3

Drilling Fluids Chemistry

- Suspensions
- Reactions
- Polymers
- Corrosion
- Lubricity
- Foaming

Day 4

Drilling Fluids Engineers

- Hydraulics
- Hole Stability

Day 5

Solids Control

- *How Solids Build Up*
- *Detrimental Effects of Solids*
- *Mechanical Control*
- *How to Measure Solids Control Effectiveness.*
- *Mud Products and Mud Formations*

Case Studies, Last Day Review, Discussions & Pre & Post Assessments will be carried out.

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