

# ROTARY DRILLING APPLICATIONS



## Course Outline

This course is a must for trainee drillers, drilling support operatives looking to upskill and drilling engineers serious about following good practice, improving efficiency and maximizing quality.

The course is typically two days but can be modified to suit the level of training required for the individuals. The course incorporates theory in the classroom backed up with hands-on practicals. Attendees will obtain a better understanding of the ranges of plant and equipment available, choice of drilling techniques, choosing the right equipment for the job, choosing the right flush, drill bits, coring and core barrels and also about how geology and hydrogeology may affect the drilling process.

## Course Contents

- Rigs and Applications
- Ancillary Plant
- Rotary Drilling Techniques and Equipment
  - o Open Holing
  - o Percussive inc. Window Sampling and Down The Hole Hammer
  - o Coring – conventional and wireline
- Applied Geology in Drilling
- Mini Mud School
  - o Down-hole behaviour and characteristics of polymers
  - o Improving borehole stability
  - o Maximising efficiency using polymers or additives
  - o Care of your mud system
- Flushing Media
  - o including polymers
- Coring and Core Barrels
- Health, Safety and Environmental Aspects
- PUWER & LOLER Requirements & Inspections
- Techniques

## Summary

At the end of the course the delegates should be able to:

- Choose the optimum drilling technique
- Choose the optimum flush medium
- Understand the plant and equipment required
- Choose the optimum core barrels and bits in relation to geology
- Carry out basic maintenance checks on the rig
- Check the safety and environmental compliance of the rig
- Understand the documentation to be completed



## Who should attend?

This course is a must for trainee drillers, drilling support operatives looking to upskill and drilling engineers serious about following good practice, improving efficiency and maximizing quality.

## Mini Mud School

In collaboration with Clear Solutions International Limited, Equipé also offer a one day or half day Mini Mud School. This course covers:

- Maximising productivity – when should polymers be considered
- Maximising hole integrity during drilling and installing
- Understanding the use of muds and polymers
- Measuring – viscosity etc
- Stabilisations
- Applications

For more information, contact Equipé Training:

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