

# Drilling Awareness



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## Introduction

This one day course will look at the various methods, plant, equipment and tools available to carry out drilling operations. The course will concentrate on the typical boring and drilling methods and discuss best practice, optimum equipment, innovations as well as health and safety and environmental implications.



## Course Content

The initial session will set the scene by taking a quick look at the history, the current situation and where drilling applications can go. It will also provide an overview of the health and safety, avoidance of services and environmental considerations.

This course will then take a detailed look at the typical drilling methods and techniques including:

- Dynamic Sampling
- Cable Percussion
- Rotary Drilling . coring and open hole
- Resonance (Sonic) Drilling
- Cone Penetration Testing

A critical assessment of the advantages and disadvantages of each method will be made. This will also cover quality of the information obtained, health, safety and environmental matters, the ease of operation and limitation with respect to depth and interpretation of the output.

The theory part of the course will be a combination of visual presentations, videos and hands on experience with some of the smaller tooling and equipment such as samplers, drill bits, drill and sampling rods, barrels e.t.c.

The course will also look at sampling methods and quality and the choice of techniques in changing geology and ground and groundwater conditions.

The theory session will finish with aspects to consider during specifying drilling activities an overview on current legislation, competencies, and the role of the British Drilling Association (BDA).

The afternoon sessions will concentrate on demonstrations of drilling equipment available at The Drilling Academy which will at a minimum comprise Cable Percussion, Dynamic Sampling and Rotary.

## Who should attend ?

*This course is intended for engineers, geologists, environmental engineers, technicians and clients who currently or may procure, specify, supervise or carry out drilling operations.*

## Equip Training Limited

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