

PLANNING FOR EFFECTIVE GROUND INVESTIGATIONS



Course Outline

The course will look at how understanding the objectives of the investigation and a good specification are key to an adequate and effective ground investigation. We will consider the aims of the investigation, planning the work, the requirements of the British Standards and second generation Eurocodes and the choice of equipment and techniques. This one-day course will look at the stages of a well planned and executed ground investigation, the benefits of a collaborative approach and why the understanding of risk, particularly ground related risks, for each project should drive the data required.

Course Contents

- Importance of adequate Ground Investigations
- Standards, guidance and specification
- Planning the ground investigation
- Ground Investigation process
 - Desk study and site inspection
 - Investigation methods and techniques
 - Sampling
 - Field (In situ) testing
 - Instrumentation and Monitoring
 - Geotechnical laboratory testing
 - Data management and reporting



Summary




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

- The importance of adequate ground investigations
- How standards provide guidance to help this process
- Considerations when planning a ground investigation
- How ground investigations can identify and help the client to reduce ground risk
- Advantages and limitations of the typical investigation techniques

Who should attend?

This course has been developed for early career practitioners involved in all aspects of ground investigation including planning, procuring and delivery. It is suitable for graduates, engineers, geologists, geotechnicians, site managers, project managers and those who would like a fuller appreciation of what an effective ground investigation looks like and how to achieve it.

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