

Tunnelling Technologies



The course is designed for both staff involved in the foundation sector for civil engineering industry and those without any direct experience. The course provides general knowledge about the technologies related to soil improvement finalized to tunnel excavation and also the various kinds of machines used.

Course topics

General topics:

- Definition of application field
- Overview of related technologies
- Soil and rock classifications and characteristics, Soil investigation
- Equipment and ancillaries
- Introduction to Jobsite Safety
- Main quality controls - Process and Product tests
- Case histories

Specific topics:

- Forepoling
- Jet grouting
- Fiberglass and Drainage bars
- Cement and chemical grouting

Duration

3 days

Languages

**English, Italian
or any other language upon
client's request**

Location

**Cesena (FC) - Italy
or any customer's site**

Audience

**Site Managers;
Field Engineers;
Foremen;
Sales Agents.**

Prerequisites

**Geotechnical knowledge
preferred but not essential**

Learning objectives

**To acquire a technical
knowledge about soil
improvements;**

**To learn the construction
phases of the applicable
technologies;**

**To learn the various kinds of
drilling rigs;**

**To have an introduction to
safety and quality concepts
focused on this jobfield.**