

# Retention Systems Technologies



The course is designed for both staff involved in the foundation sector for the civil engineering industry and those without any direct experience. The course provides general knowledge about the technologies related to Retention systems applications 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:

- Cased Auger Piles / Cased Secant Piles
- Diaphragm walls (Grab or Hydromill)
- Deep Soil Mixing
- Micropile and Anchors

### 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 deep  
retention systems;**

**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.**