



Advanced Surveying with Total Station



1 - 12 July 2024



Singapore

# Advanced Surveying with Total Station

course code: D12329 From: 1 - 12 July 2024 Venue: Singapore - course Fees: 5500 Euro

## Overview

This course teaches you advanced surveying terminology with total station. Theory lecture explain the concepts of total station working mechanism followed by practical exercise, which helps to gain practical understanding and essential skill sets required for present surveying industry.

### After completing the course you will be able to:

Define the advantage and disadvantage of Total Station surveying Define the vertical and horizontal angle measurement mechanism of Total Station instrument Understand Electronic Distance Measurement (EDM) principles Define Rectangular vs Polar coordinate system measurements Define How Total Station works, need of TS orientation Define open and close traversing terminology using TS Define application of survey using TS Perform topographical survey (plain table and contour survey) Understand the stakeout concepts Perform Stake out / Demarcation of Building Layouts / Plot Layouts / Roads / Alignments Understand the various road survey application and terminologies. Perform road surveys Transfer or Establish Benchmarks Measure remote distance and elevation using special function of TS Solve trigonometric problems using COGO function on the field / Site Perform onsite instrument calibration Calculate 2D, 3D area on the field / Site Calculate surface volume on the field / Site Understand the survey work estimation factors Define the procedure for download and upload data to TS Define the TS data formats Produce simple survey map using AutoCAD.

## Training Mode

Classroom - Instructor Led Only



