

Robotic Total Station Fundamentals

Agenda

Objective

After completing the course the students will be able to:

- Understand the Data creation Process (CAD)
- Evaluate the set out site
- Load files
- Setup hardware
- Create Site Control Targets
- Collect As-built Data
- Lay out with a prism
- Create Layout reports and Export data to downstream application



Day 1 Training

- Introduction
- Trimble RTS 773
- RTS Theory & Technology (uses cases)
- Equipment and component overview
- Data Creation (Drawing prep, introducing TFP, Creation of files)
- Load Data onto Tablet
- Set up tripod and leveling the RTS at random positions
- Create control points and check setup

Day 2 Training

- Setup RTS and check into control
- Set out points (ceiling, floors walls) with laser
- Set out points with Prism
- Collect As-Built data
- Create layout report and CSV. files
- Export of CSV. files
- Transfer layout report to office computer

Note: Set out with the RTS will take place in a controlled environment, such as AMCA classroom, or on-site at the AMCA.