

## **Robotic Total Station Advanced Training Agenda**

- **T10/T100 Tablets**
  - Care and Maintenance
  - Windows Updates
  - Accessing email and cloud services
  - Setting Function Buttons
  - Setting Sensitivity (rain/glove modes)
  - Trimble Installation Manager
  - FieldLink User Guide
  
- **FieldLink**
  - Working with Subscription
    - License Manager
      - Assigning both CORE and ADVANCED
    - Account Details in FieldLink
  - Drawing Data
    - Identifying issues in a drawing vs issues on-site
    - 3D Model clean-up suggestions
    - CAD drawing clean-up suggestions
    - Working with the Layer Tool
      - Layer Filters
      - Using the Save Layer View
    - Using the Model/Drawing edit tool
      - Aligning multiple models/drawings
      - Scaling
  - Importing Survey Control
    - XYZ vs NEZ (YXZ)– Know the difference
    - Understanding a CSV file
    - Understanding project coordinates vs state plane coordinates
  - Advance Point Creation and Editing
    - Utilizing the Point Manager filter tool
    - Utilizing the LAYOUT/MEASURE filter tool
  - Working with a 3D Model
    - Creating section views
    - How to separate 3D model into multiple section views
    - Working with the 3D perspective model view during layout
  - Using the Project Management Button to swap between separate layout areas
  - Setting up projects in TFL and the new TFLX formats
  
- **Trimble Connect**
  - Web/Desktop interface
    - Uploading/Downloading data to Connect projects
  - FieldLink interface
    - Uploading/Downloading data to Connect projects
  - Live Layout

- **Layout Features**

- Calibrate Instrument (Field Calibration)
  - Discussion
  - Hands-On
- Troubleshooting RTS Issues
  - Discussion
  - Monitoring instrument during layout
  - Checking bubble level
  - Backcheck control/layout points
  - Harmonic Vibration between RTS and Tripod
- Creating a Custom Prism
  - Understanding constant/offset
- Setup over a known
  - Discussion
  - How to use as a troubleshooting tool
  - Hands-On Exercise
- Traversing from known survey control
  - Discussion
  - Dos and Don'ts
  - Cautions
- Component and Gridline Setup
  - Discussion
- Reference Elevations
  - Discussion
  - Hands-On Exercise
- Wall Penetration Feature
  - Discussion
  - Hands-On Exercise
- Staking to a line/arc
  - Discussion
  - Hands-On Exercise
- Layout Plane
  - Discussion
  - Flat plane
  - Sloping plane
- DEVICE tab features
  - TOOLS
    - Discussion
    - Vertical alignment check tool (Column and Wall)
    - Tape measure tool
    - Benchmark transfer tool