
Trimble Layout: **Advanced** Applications and Workflows Full Agenda

- **Duration:** Full day -- 8 hours with lunch provided
- **Audience:** Experienced Users of Trimble Layout Equipment and FieldLink Software
- **Goal:** Equip experienced Trimble Layout users to master advanced functionalities and troubleshooting strategies, enabling them to confidently manage complex projects, improve accuracy, and streamline workflows with Trimble FieldLink and their layout tools

► T100 Tablet

- **Care and Maintenance**
 - Cleaning, storage, and handling best practices
 - Empower Radio Module care
- **Software and System Management**
 - Performing Windows updates (including all optional updates)
 - Using Trimble Installation Manager for software/firmware (Ri and GNSS) updates
- **Connectivity and Customization**
 - Accessing email and cloud services.
 - Setting function buttons and adjusting sensitivity (Rain/Glove Modes)

► FieldLink Software

- **Subscription Management**
 - Using License Manager to assign the FieldLink CORE and ADVANCED licenses.
 - Accessing account details in FieldLink
- **Working with Drawing Data**
 - Identifying drawing issues vs on-site issues
 - Suggestions for 3D model and CAD drawing clean-up
 - Utilizing the Layer Tool:
 - Layer Filters and Save Layer Views
 - Editing Models/Drawings:
 - Aligning multiple models/drawings
 - Scaling models/drawings/pdfs
- **Survey Control Import**
 - Understanding XYZ vs NEZ (YXZ) formats
 - Using CSV files and understanding project vs state plane coordinates

- **Advanced Point Management**
 - Utilizing the Point Manager and LAYOUT/MEASURE filter tools for efficient workflows
- **Working with 3D Models**
 - Creating and managing section views
 - Utilizing the 3D perspective view during layout
- **Project Management**
 - Setting up a TFLX Project Properly
 - Swapping between layout areas using the Project Management button

► Trimble Connect

- **Web/Desktop/Mobile App Interfaces**
 - Uploading and downloading data to/from Connect projects
- **FieldLink Integration:**
 - Syncing data with Trimble Connect in FieldLink
 - Using the Trimble Connect Sync App to upload/download data automatically
 - Real-time updates and data sharing

► Layout Features

- **Instrument Calibration:** Field calibration overview and hands-on practice
- **Troubleshooting RTS Issues**
 - Common issues:
 - Instrument monitoring during layout
 - Checking bubble level and backcheck control
 - Addressing harmonic vibrations between RTS and tripod
- **Custom Prism Creation:** Understanding prism constants/offsets
- **Setup Over Known Points**
 - Discussion and how to use as a troubleshooting tool
 - Hands-on exercise
- **Traversing from Known Survey Control:** Best practices and cautions
- **Component and Gridline Setup:** Workflow overview and discussion
- **Reference Elevations:** Discussion and hands-on exercises
- **Wall Penetration Feature:** Overview and practical application exercise.
- **Staking to a Line or Arc:** Discussion and hands-on layout practice.
- **Layout Plane Feature:** Flat and sloping plane options
- **DEVICE Tab Features**
 - TOOLS Menu:
 - Vertical alignment check tool (Column and Wall)
 - Tape measure and benchmark transfer tools