GEOPAK Survey Training Class

TOPICS COVERED

1. Project Setup

__ Project commands
__ Setting project preferences
__ Working with multiple users
__ Visualization controls
__ Display controls
__ Working with the SMD
__ Active Chain Control
__ Attributes commands
__ A full list of every file type

2. Tools

__ Storing points
__ Storing alignments
__ Extracting XYZ points
__ Export COGO to ASCII
__ Sharing data
__ DTM stroking options
__ Extract Graphics from 2D
__ Extract Graphics from 3D
__ Extract XYZ data
__ Extract DEM data
__ Extract set format
__ Build triangles for TINs
__ Build Lattice files
__ Merge TIN files
__ Clip TIN files
__ Build pads
__ Build delta TIN surfaces

2. Tools continued

__ Build XYZ file to TIN file
__ Editing triangles
__ Editing duplicate points
__ Editing crossing features
__ Editing filter vertices
__ Editing join linear features
__ Editing Z range clip
__ Drape vertices commands
__ Drape vectors commands
__ Drape elements commands
__ Load DTM features
__ Auto store graphics
__ Curve calculator
__ Subdivision wizard
__ Parcel subdivide

3. Reports

__ Duplicate Points
__ Crossing Features
__ Triangle Statistics
__ Lattice Statistics

4. Analysis Tools

__ Height tool
__ Drawing profiles
__ Computing volumes
__ Elevation differences
__ Slope area tool
__ Trace slope path
__ Themes tools
__ Drainage tools
__ Visibility tool
__ Load DTM features
__ 3D view active Z
__ Trench volumes
__ 3D visualization

5. Utilities

__ Convert TIN files
__ Convert ASCII to binary
__ Check triangulation
__ English → Metric
__ Plan view labeling
__ Rotate point symbols
__ Place SMD features
__ Place legends
__ Place grids
__ Place borders
__ Place north arrows
__ Place scale bar
__ Place text in object
__ Place coordinates table

About the Instructor:

Dan Calistrat is a licensed professional engineer in 6 states and has been actively practicing for the past 23 years. After engineering for the land development community, Dan joined GEOPAK where he was instrumental in the development, certification, and training of Bentley civil products. After nearly a decade at GEOPAK, Dan left to implement Bentley software on some of the largest construction projects in the United States.

Dan founded DTM Solutions where he consults with all size firms to make their transition and integration to civil engineering software as seamless as possible. His vision for the firm is based on providing billable solutions to clients in need of civil engineering software training.

Dan holds a B.S. degree in Civil Engineering from Texas A&M University and is an active member of the American Society of Civil Engineers.