MicroStation tips & tricks

Tine Lai Andersen, Learning Consultant, Bentley Systems
TineLai.Andersen@Bentley.com
Tips & Tricks MicroStation SELECTSeries 3
Origin snap

Do want to move a cell and use the origin?

Use origin snap!
Previous model shortcuts

Add the “next” and “previous” model functions to the mouse commands, or to a function key.

- The key-ins are:
  - Modelhistory back
  - Modelhistory forward

- For example use:
  - CTRL+ALT+DATA to Modelhistory forward
  - CTRL+ALT+RESET to Modelhistory forward
Text Editor and shortcuts

- Ctrl+C (Copy highlighted text to clipboard)
- Ctrl+X (Cut highlighted text to clipboard)
- Ctrl+V (Paste text from clipboard)
- Ctrl+Cursor Right (Next word right)
- Ctrl+Cursor Left (Next word left)
- Ctrl+End (End of text string)
- Ctrl+Home (Beginning of text string)

- Shift+Cursor Keys (Highlight single text)
- Shift+End/Home (Highlight line text)
- Shift+Ctrl+Cursor Keys (Highlight next word)

All of these shortcuts will work in other applications such as Word and Notepad.

- ECS+1 (Element Selection)
Compress Options

- File > Compress > Options >

  - Reset in the white space to select All or None
Quick Info

- ALT + RESET
Save Fence or Selection Set

Save the content from a fence or a selection set.

1. File > Save As dialog
2. Select Options
3. Filter > Geometry
4. Then choose between:
   - Everything
   - Fence
   - Selection Set.
Open Windows Explorer to Active Folder

Use the %% key-in to open Windows Explorer to the recent used folder

Use this keyin to open the active folder and highlight the open file:

$ % explorer /e, /select, $(_DGNFILE)

– BTW… the quickest way to open your key-in browser is:
ESC > ENTER
AccuDraw GT

GT = to get focus in the Tool Settings Dialog

For example, the copy function where you want to change the number of copies:

– Select Copy
– Select where you want to copy from
– GT
– Enter the number of copies
– Identify where the first copy must be placed (use F11 to get focus in AccuDraw again)
Trim to element > Select cutting element first > ON

- Select cutting element first:
  - If only a segment of the element highlights = only that segment will be used
  - RESET > and the whole element highlights and will be used
Element Selection Tabs
Mesh From Points

- Import coordinate list (XYZ or YXZ)
  - Tools > Dimension > XYZ text > Import Coordinates

- Mesh from Points
Mesh From contours
Create a new terrain from 2 mesh elements

1. Mesh Intersect
2. Existing terrain
3. Proposed terrain
4. = the new terrain
New terrain, what to remove?

1. Mesh Subtract
2. Existing terrain
3. Proposed terrain
4. = the volume of what to remove
Volume and element information

• Get more information ex. Volume
Open Element information
DisplayStyles

• Use DisplayStyle to change the view of your 3D model
DisplayStyle – Thematic Display
3D PDF

- PDF 1
- PDF 2
3D PDF

- PDF 1

- PDF 2
Rotate view – set rotation point

- Change the rotation point by:
  - Rotate view icon
  - Method: Dynamic
  - Move the large plus sign to the new rotation origin.

Or by using the mouse:
- ALT + wheel (= Rotate Dynamic)
Data clean up

- Utilities > Data Cleanup

Delete duplicates
Simple animation

- Create a simple animation with only a few tools
  - Create actor
  - Define actor Path
  - Animation Preview

- To get the same speed, set Path distance i.e.: 5*tSeconds
QuickStarts on Bentley LEARN server

- QuickStart for Structural Engineers Using STAAD.Pro
- QuickStart for Roadway Designers Using MicroStation
- QuickStart for Structural Engineers Using RAM Concept
- QuickStart for Creators Using ProjectWise
- QuickStart for Building Designers Using MicroStation
- QuickStart for Structural Engineers using RAM Structural System
- QuickStart for Civil Designers Using Rendering in MicroStation
- QuickStart for Piping Designers Using AutoPLANT Modeler
- QuickStart for Reviewers using ProjectWise
- QuickStart for Mapping Designers Using MicroStation
- QuickStart for Architects using AECOsim Building Designer
- QuickStart for Viewers using ProjectWise
- QuickStart for Plant Designers Using MicroStation
- QuickStart for Roadway Designers using OpenRoads Technology
- QuickStart for P&ID Designers Using AutoPLANT P&ID
- QuickStart for ProjectWise InterPlot Organizer
- QuickStart for Surveyors using OpenRoads Technology
- QuickStart for Structural Engineers using LEAP Steel Design
- QuickStart for Structural Engineers using RM Bridge
- QuickStart for Structural Designers Using AECOsim Building Designer
- QuickStart for Processing Point Clouds with Bentley Descartes
- QuickStart for Bentley Pointools
Thanks!

Training and questions....

Send me an email:

TineLai.Andersen@Bentley.com