Bentley Map V8*i* (SELECTseries 3)

Tech Preview – Survey capabilities

Why survey capabilities in a GIS?

- Need to integrate survey data in GIS workflows

- Need to perform Quality Control and correction in the GIS environment.

- Need for DTM creation & analysis tools

Survey Tools – Technology Preview

- Civil and Map features are different

- At this time there is no tool to define civil features

- The DTM tools are available in the standard delivery

- The Survey Tools are enabled by defining a variable
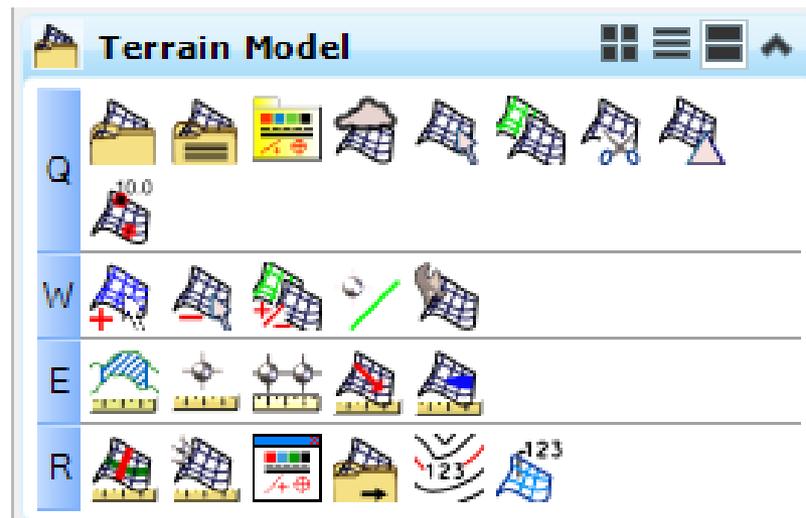
MS_GEOSURVEY_TECHPREVIEW = 1

What is provided? Features?

- A survey module providing
  - Survey measurement import capabilities.
  - Measurement processing capabilities: from observations to accurate/optimized features
  - Powerful real time quality control capabilities.

- Terrain Capabilities
  - Creation tools
  - Analysis tools

Which version ?
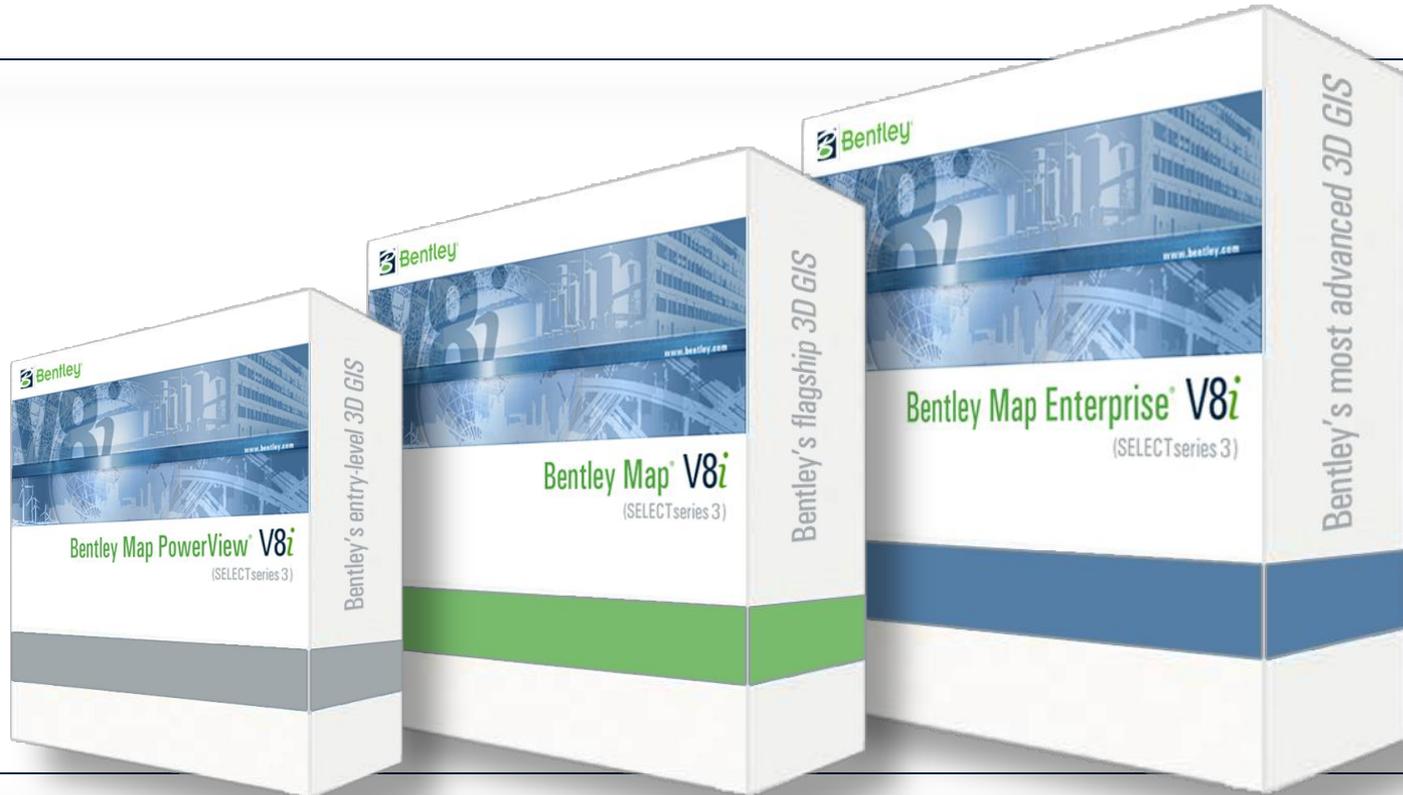
**Bentley Map & Map Enterprise SS3 V8i – MR1
(coming soon)**

Future Developments

- Better integration between Civil and GIS features
  - Feature definition
  - Conversion

- Better integration between Civil Terrain and STM
  - From Civil terrain to STM (works today)
  - From STM to Civil (limited today to specified size in MB for the entire STM)

How can I get started?

- Product will be shipped with dataset and integration notes

- No additional installation required. Only some variable configuration.

- Ask questions on the dedicated Bentley community

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Step by step demo

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Data sample

File	Type
SurveyExample.xin	Survey Style file (InRoads)
SurveyExample.cel	Cell library
SurveyExample.dgn	Seed file
SurveyExample.rw5	Sample data file

Configuring the variable

Variable	Value	Role
MS_GEOSURVEY_TECHPREVIEW	1	Enable the tech preview capabilities.
CIVIL_SURVEY_STYLEFILE	path\SurveyExample.xin	Define the style to be used to display Civil features – it is required to show properly elements. It can be also set dynamically during the session.

The most efficient way is likely to do this in a GSA project!

Configuring the variable

Putting the cells file required by civil tools
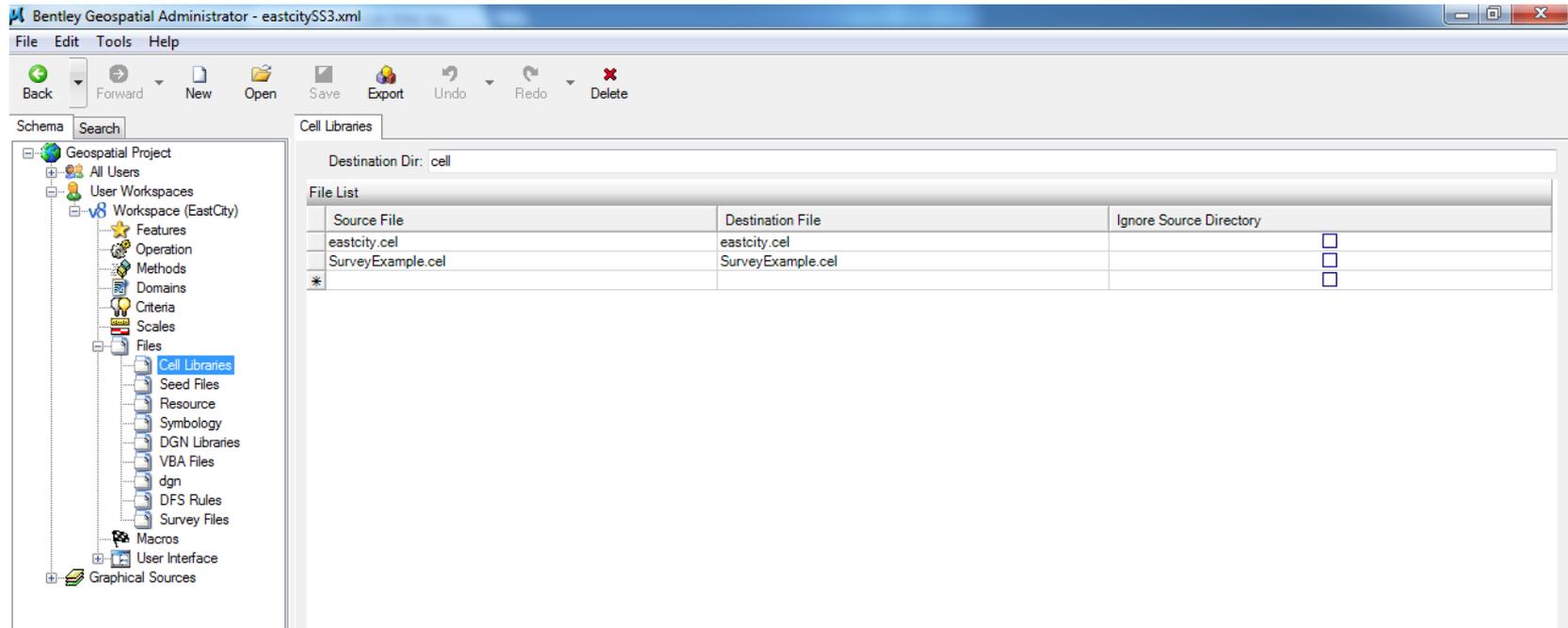
Demo – Importing data – and QA

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