

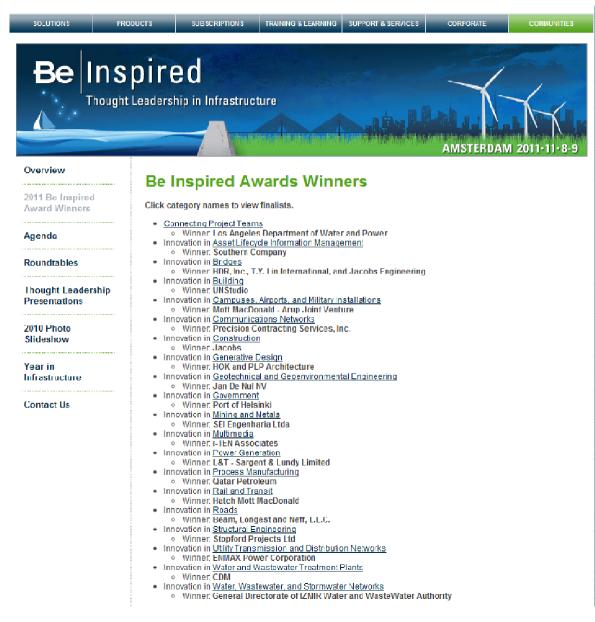


# Terrain Modeling with MicroStation and Civil Products at SELECTseries 3

Ian Rosam Product Manager, Bentley Civil 15<sup>th</sup> November 2011



#### **Be Inspired / A Year in Infrastructure**





### **Commonality** ?

## Terrain Model



Yet we consider this the provenance of the dirt diggers.... AKA Civil

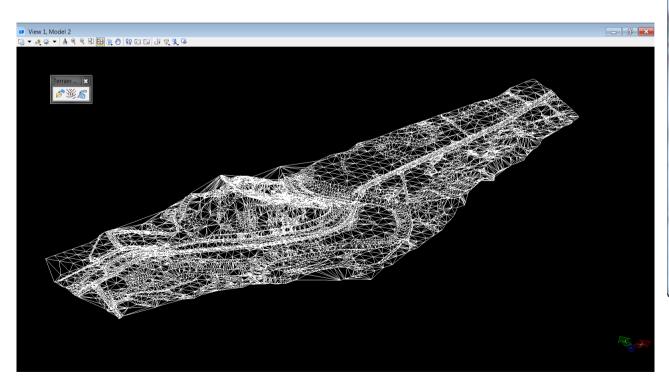


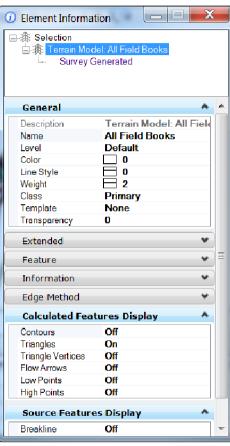


## **SELECTseries 3**

• Microstation gets a new element type !

## Terrain Model





#### **Terrain Model - What does this solve ?**

- Shared access rather than
  conversion and distribution
- Achieve CAD standards
- Add additional annotation
- Interrogation / Analysis
- Visualisation

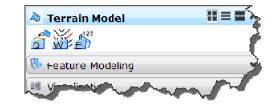
#### Demo

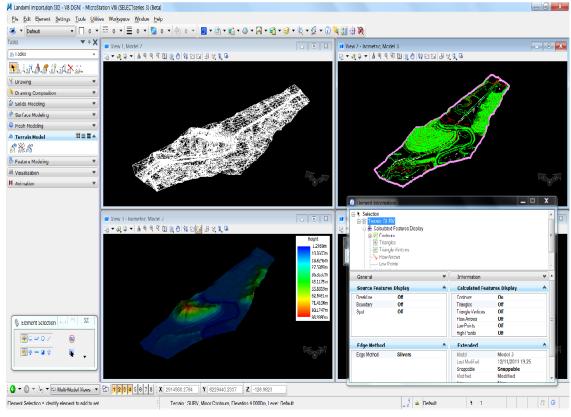
Terrain Modelling

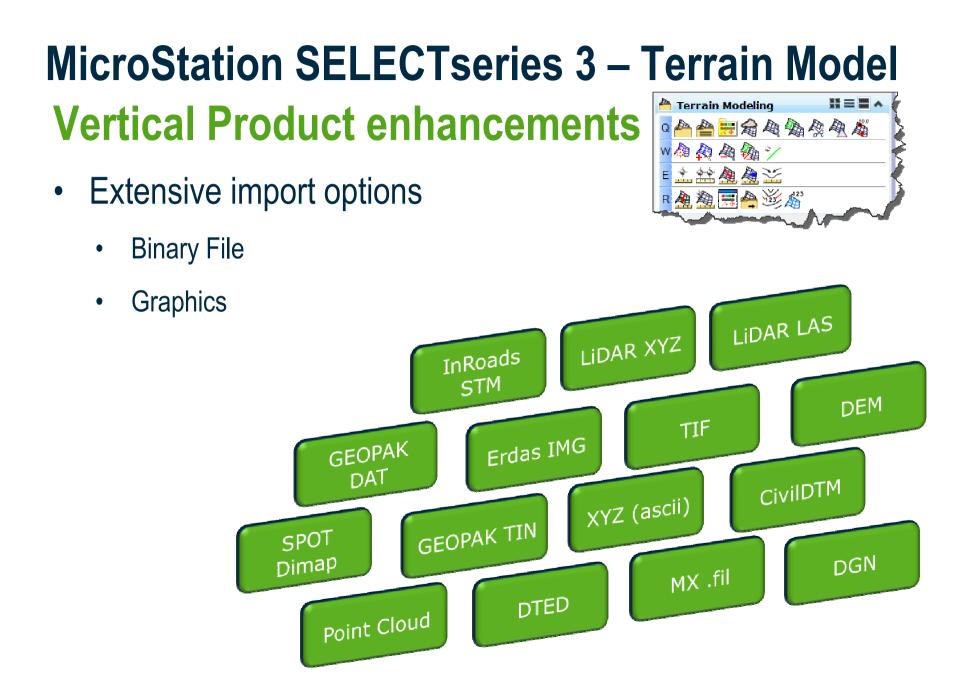
## **MicroStation SELECTseries 3 – Terrain Model**

#### Summary of tools

- LandXML import
- Terrain Display Themes
- Analysis Tools
- Annotation tools

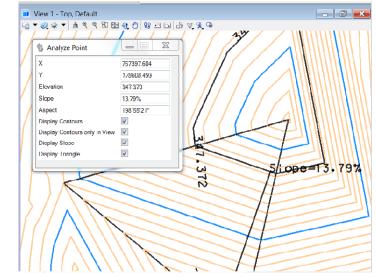






## MicroStation SELECTseries – Terrain Model Vertical Product enhancements

- Extended Analysis Tools
  - Volumes
  - Points
  - Trace Slopes
  - Ponds
  - Watershed
- Reporting tools
  - Duplicate Points
  - Crossing Features
- Export
  - Native Civil Products
  - LandXML



🚯 Feature Types 🐨 🔎 Zoom To 📓 In View 🚞 Export				
Intersection Point	Level On Feature 1	Level On Feature 2	Level Difference	Feature Type 1
767881.767, 179802.367	313.464	312.189	1.275	Breakline
767881.869, 179781.059	311.745	313.354	1.609	Breakline
767882.707, 179768.940	311.390	313.878	2.488	Breakline
•	111			

#### Demo

- Terrain Modelling
- Survey

**2011 BE Together** 

## **Thank You!**

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Are there any questions?