

"Fra MicroStation till Google Earth Samarbejdspartnere"

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Google and Google Earth

- Does this company need any introduction?
- Who has not heard of, seen or used its Google Earth or Google Maps products?





Bentley's Google integration

- Bentley is keen on Google integration
- First tools early 2006
- Today's focus on:
 - MicroStation KML export
 - GWP Google integration (using WMS)
- Other integration options
 - SKP referencing and editing
 - 3D Warehouse integration
- Future developments





MicroStation KML export

Using the **V8***i* Geographic tools in MicroStation



From a desktop perspective...



MicroStation



KML/KMZ files



Google Earth







🚰 Bentley

KML/KMZ export





Google Earth – MicroStation

- 2D and 3D data creation in MicroStation
 - High fidelity, accuracy, up-to-date
 - Rich data syntax, transparency, display order
- Export to KML/KMZ file
 - Available to a wider audience
- Including Geo-referencing and angle
 - Interactive referencing
 - Co-ordinate system based referencing
- `Static' publishing model



Web publishing integration

Using Geo Web Publisher



From a web publishing perspective





Publishing into Google Earth





Google Earth as a publishing client

- Google Earth configured as a Bentley Geospatial Web Publishing client
- GWP "streams" data into Google Earth
 - Dynamic layer publishing
 - WMS server based
 - Two-way interaction
- `Dynamic' publishing model



Other integration options

Exploring Sketchup integration, 3D Warehouse



Google SketchUp integration

- SketchUp is Google's design tool
 - Simple yet powerful 3D design tool
 - Creates SKP files
 - MicroStation can reference/edit SKP files
- 3DWarehouse is a Google facility
 - To search, share and store 3D Models
 - In SKP and KML format
 - MicroStation can interact with the Google 3D Warehouse











Further developments

2D Mesh ups and beyond



Where will Bentley go from here?

- MicroStation V8i has geo-coordination
 - Platform becomes geospatial
 - Will provide accurate Google integration for all
- Integration with Google Maps
 - Create Mash ups
 - Use GWP or GWS as the Bentley data server





Shall we give it a try?





Questions?

question afhøre (fx witnesses), afhøre (fx witnesses), betvivle (fx witnesses), diskussion (fx witnesses), drage i tvivl (fx I do not question his motives), emne (fx I do not question his motives), pinligt forhør (glds), sag (glds), spørge (vb), spørge (vb), spørgsmål (sb), spørgsmål (sb), tortur (sb), tvivl (fx there is some question about his qualifications), tvivl (fx there is some question about his qualifications), udspørge (fx there is some question about his qualifications), udspørge (fx there is some question about his qualifications), udspørge (fx there is some question about his qualifications).

