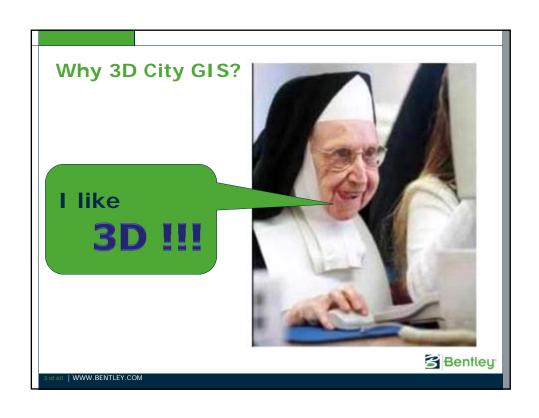


Agenda

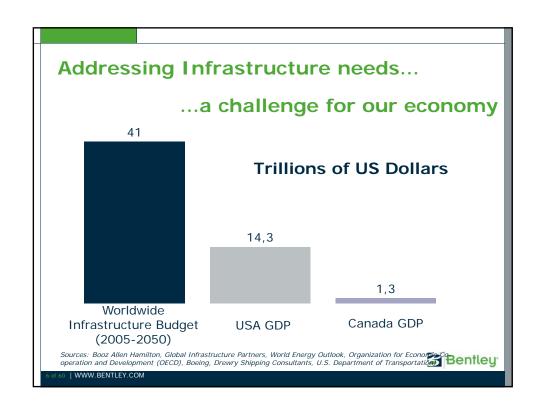
- Why 3D City GIS?
- What does 3D City GIS mean?

Bentley



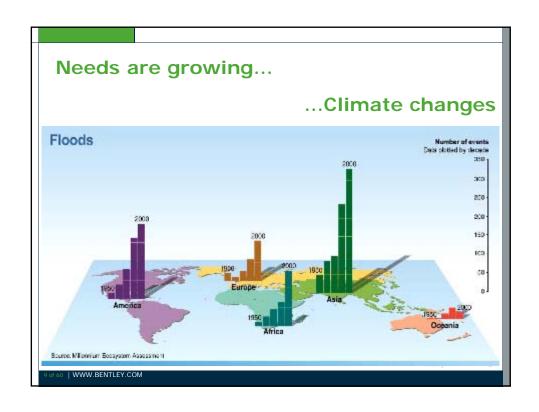


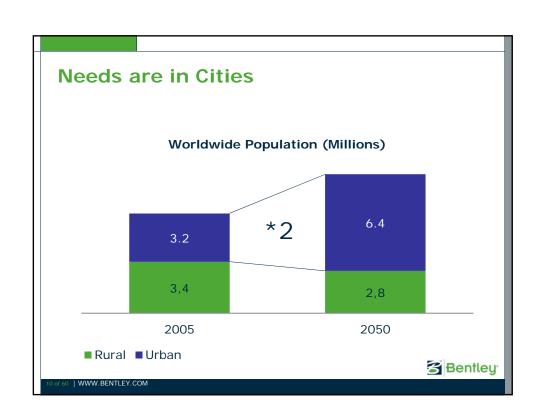










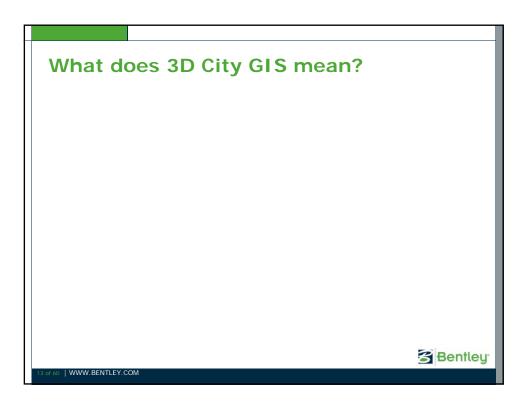


Infrastructure needs are

- Important for people security & well being
- Worldwide
- Increasing
- Important for our Economy
- Going to increase mainly in Cities

Bentley





3D City GIS

 It's an information management systems using 3D City model as a platform

3 Bentley

3D City GIS aims at

Optimizing infrastructure data management across city territory

"Towards seamless integration between geo and engineering content"







3D City GIS allows

- Taking benefits of 3D City visual simulation :
 - Urban planning simulation
 - Tourism promotion
 - Project communication with citizens/media
 - Team collaboration
 - _





3D City GIS allows

- Doing more than Visualization
 - Integrating different assets in a same 3D environement
 - Analyzing and Designing in 3D at the City/Campus Scale

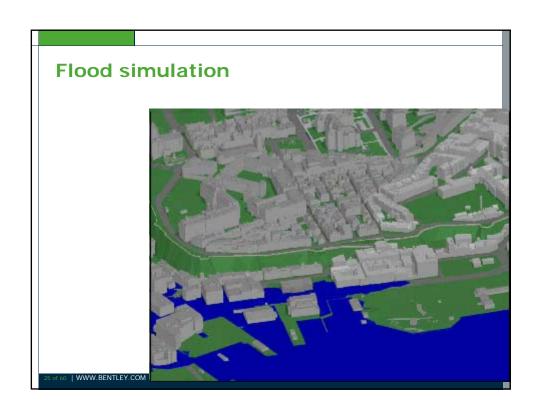


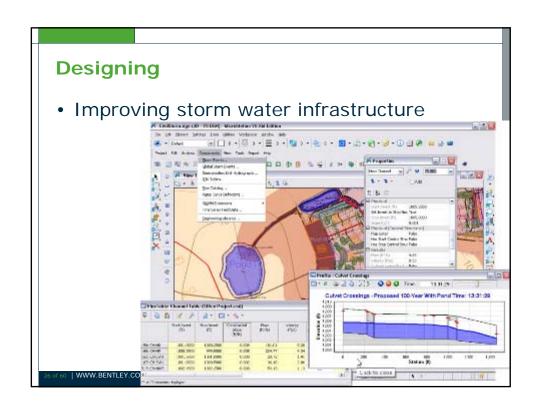








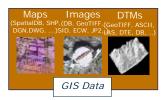








Persist, Serve and Manage?







- Support for different repository types:
 - Files: Standards (CityGML, IFC, PDF, KML,...) or Proprietary (DGN, DWG, SHP,...)
 - Databases: Oracle Spatial, SQL Server
 - Web Services: WMS, WFS,...

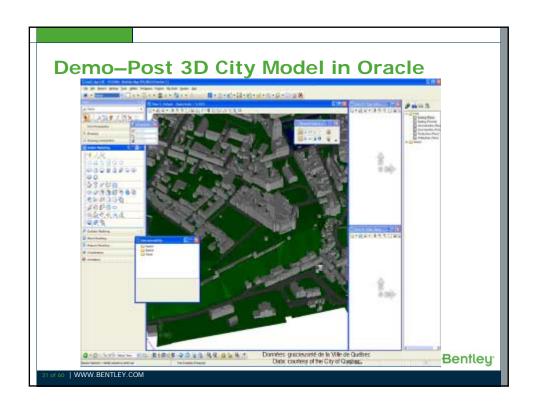


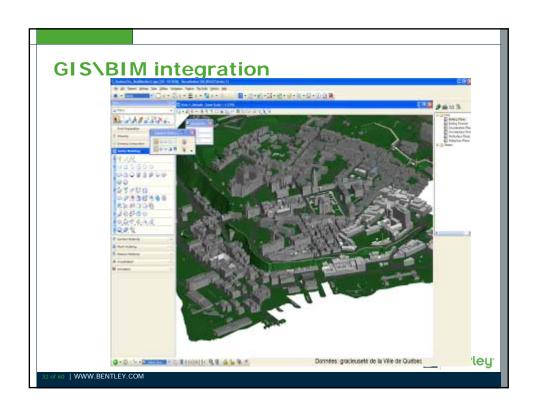
29 of 60 | WWW.BENTLEY.COM

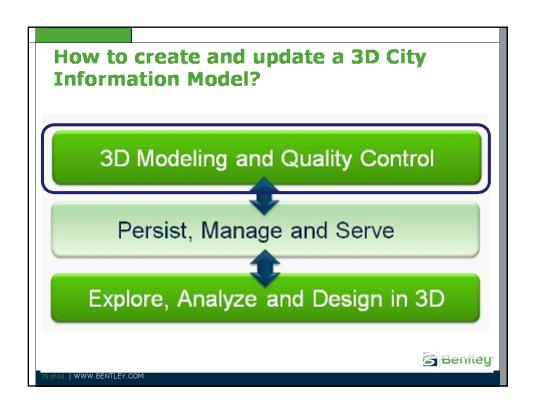
How to Persist, Serve and Manage?

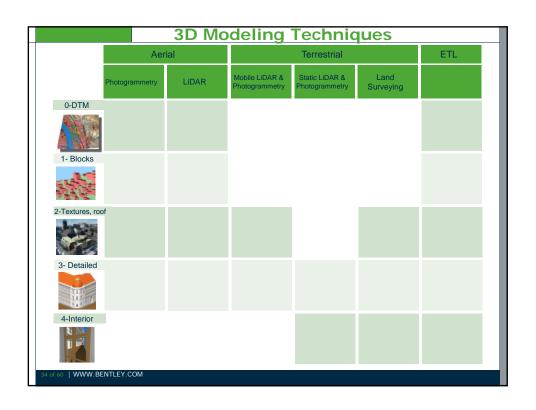
- Example of strategy:
 - -3D City Model overview
 - Database for covering large areas
 - Files for smaller areas and for exchanging (ex: CityGML, IFC)
 - Detailed engineering and architectural designs
 - Files, with an association to overview model and indexing of content (ex: DGN, DWG, IFC,...)





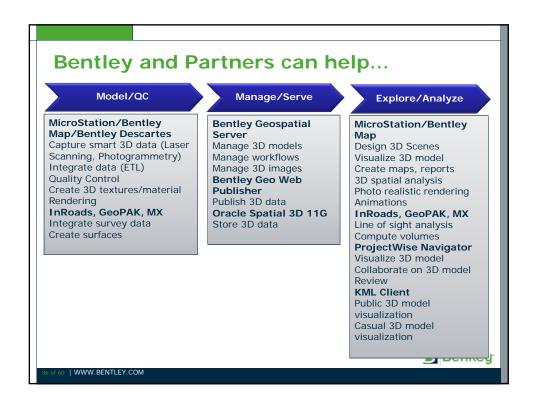






We can help...

- 3D Modeling
 - MicroStation, Bentley Map
- Aerial Photogrammetry
 - Leica LPS-PRO600 for PowerMap; Intergraph ISFE for MicroStation; DVP; DATEM; ESPA; KLT atlas/DSP; Photomod Racurs; Usmart; VirtuoZo; MSMapper; BOEING IDS / Softplotter
- Aerial LiDAR
 - Bentley and Terrasolid eSeminar on April 29th.
- Terrestrial LiDAR
 - PHIDIAS, CloudWorx
- Survey
 - GEOPAK Survey, InRoads Survey, PowerSurvey
 Bentley



Questions?

Visit our booth!

Benoit.fredericque@bentley.com

http://www.bentley.com/en-us/promo/3D%20city%20gis

