3D model of TUDelft





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Completed

- 1. 3D extrusion model of buildings (blocks, created by several in-house programs)
 - One for 3DTOPO top-up partners
 - One for the tetrahedron model of Friso Penninga
- 2. 3D model of part of the TUD campus (buildings, terrain, geological surfaces, created with FME)
 - Implemented in two variants in Oracle Spatial
- 3. Buildings in LOD2 and LOD3 created with PhotoModeller, Sketch-up and Toposcopie



1. 3D extruded buildings





2. 3DIM (Ludvig and Wiebke)

 Extension of the concept of CityGML

• 2 implementations in Oracle

 Established visualisation in BentleyMap

grass transportation Applied physics

3. Buildings in LOD2 – block +roof

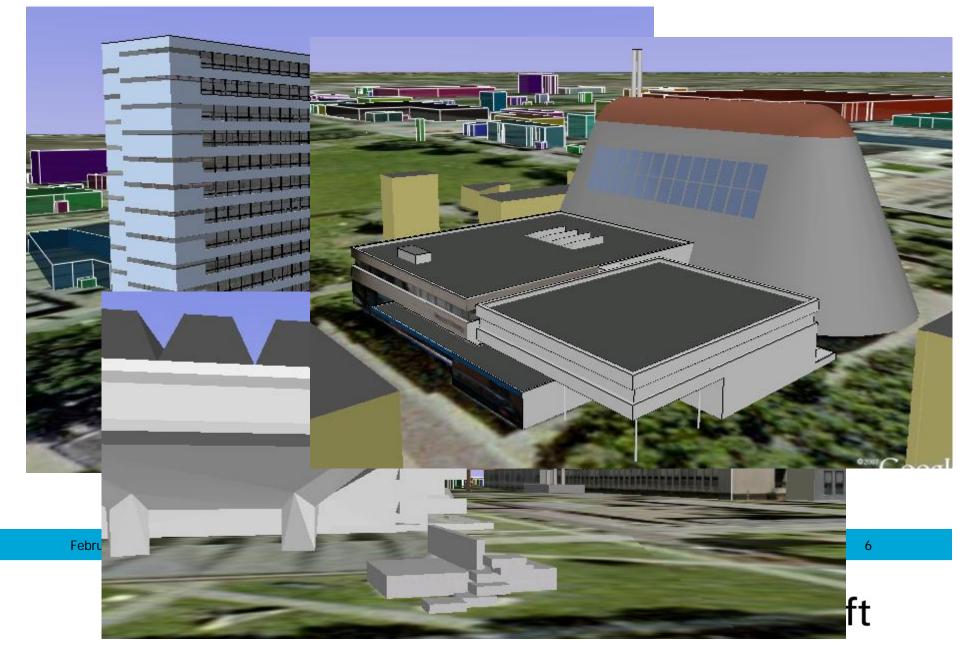


Without texture

Textured

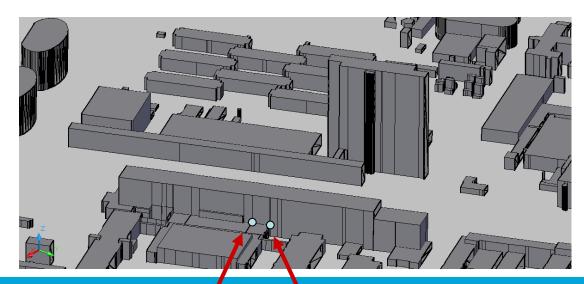
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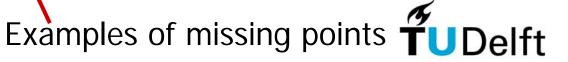
3. Buildings in LOD3 -architectural



Still to be done before importing in the Database (1/2)

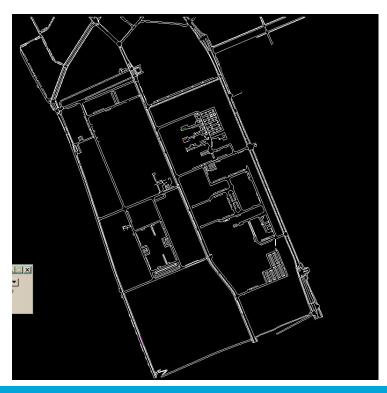
- Topologically correct extrusion model
 - Reduce points on the footprints (6 march)
 - Create correct faces when adjacent (10 march)

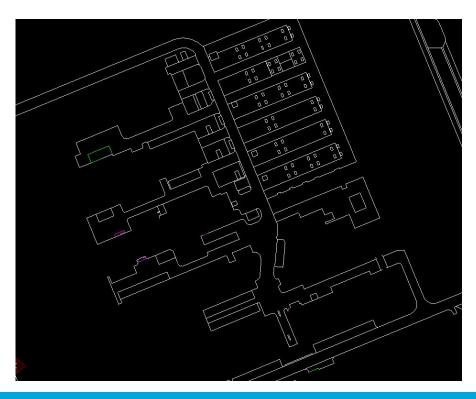




Still to be done ...(2/2)

- Create terrain features (polygons) for the entire TUD
- Only the part below is ready







Still to be done

- Create 3D interior model of OTB (measuring will start on 10th of March
- Import the LOD in the database (new students will be assigned to do this job)



Planning

- Correct 3D building extrusion model: 15th March
- 3D interior of OTB: 20th of March
- All terrain features represented with polygons and heights (end of March)
- Correct 3D building extrusion model in DBMS by 15th of April
- Terrain features in DBMS by end of April

