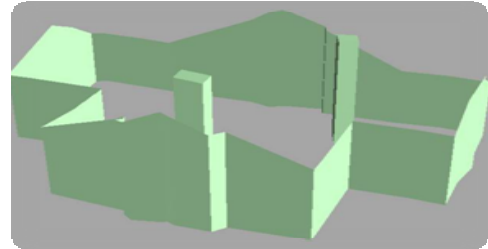


Build, track and update 3D-citymodels - simple and accurate

Automatic modeling of high quality LOD2 objects for digital **3D-city models** out of **roof geometries** stereoscopically measured in Stereo Analyst and out of official, unchanged cadastre polygons of buildings.



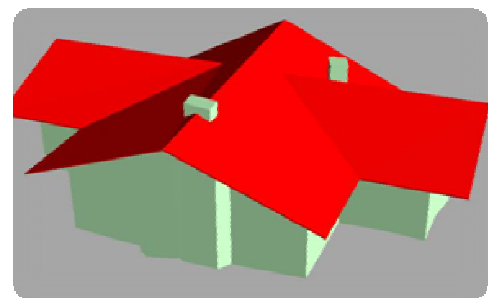
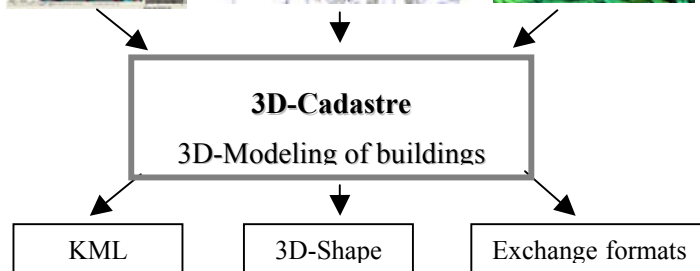
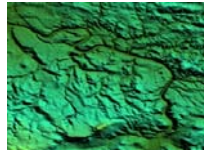
Stereo Analyst®
for ArcGIS



Cadastral Map
(e.g. AV data)



Elevation Model
DEM



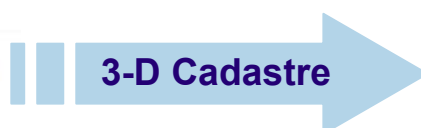
Advantages:

- The official cadastral **geometry is not changed**.
- Very **simple** capture of roof areas and **automatic** calculation of building models.
- Measurement errors are checked automatically.
- **Automatic correction** of the roof geometry.
- Roofs are **automatically adjusted** to the cadastre.
- **Roof overhangs** are modeled with respect to the wall from cadastre.
- 3D-buildings generated by **3D-Cadastre** are **universally applicable** (City GML, 3D Shape KML).



Stereoview of buildings in Messen

Credits: www.mfb-geo.com/2011,
www.geosystems.de/2011



Solutions in Geographic Imaging

MFB-GeoConsulting GmbH
Eichholzstrasse 23
CH – 3254 MESSEN
contact@mfb-geo.com