

# deegree iGeo3D

Storage and visualization of digital terrain and city models using OGC standards.



## Funktional Range

deegree iGeo3D is a complete solution for administration of digital city models, terrain models and corresponding textures. The base of deegree iGeo3D, a database schema for 3D city models that can be implemented in different database systems. This database is accessed using deegree Web Feature Service which supports CityGML. deegree Web Terrain Service and the 3D-Module of iGeoportal also allow to visualize building and terrain models.

## Components

deegree iGeo3D consists of the following components:

- + Database schema for 3D geodata
- + deegree Web Feature Service
- + deegree Web Terrain Service
- + deegree Web Coverage Service
- + deegree iGeoSecurity
- + deegree iGeoPortal – 3D module

## Technical Features

- + Support of CityGML
- + Database implementable using Oracle or PostgreSQL/PostGIS
- + Read and write access to database using deegree WFS, an implementation of Web Feature Service Specification 1.1
- + access control using iGeoSecurity
- + Fast raster data access even on large amounts on data like digital terrain models and orthophotos with deegree WCS
- + web-based visualization with deegree iGeo3D Web Terrain Service and the 3D-module of deegree iGeoPortal

deegree iGeo3D is like all deegree components  
Free Software / Open Source under LGPL  
(<http://www.deegree.org>)



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