Rotterdam 3D & Open Data

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2005 - today

Idea

Virtual Rotterdam

DTM Rotterdam

Virtual Rotterdam → Rotterdam 3D

Request for Information

Start tender Rotterdam 3D

3D Pilot in NL

Launching Rotterdam 3D

3D Pilot NL phase 2

Update Rotterdam 3D
Selection: our Large Scale Base Map is object oriented
Selection: our Large Scale Base Map is object-oriented
Selection: we use exact 2D boundaries in 3D
Selection: Key-register Buildings is basis
Selection: Laseraltimetry (LiDAR)
Selection: CityGML
Selection: LOD2
Selection: roofshapes

7 standard roofshapes from library
Selection: Terrain on zerolevel
Selection: Phototextures
What is Rotterdam 3D?

**It is:**
- Total city of Rotterdam
- Object-oriented and intelligent
- Accurate and reliable
- Based on open standard
- Multi functional
- Expandable
- Open data

**It is not:**
- Terrain
- Subsoil
- Trees
- Street furniture
- Constructions like bridges and tunnels
Why Rotterdam 3D?

Why?
now object-oriented
much more than visualisation
many potential applications
save on ad-hoc 3D
analyses possible which were not possible on projectbase

Why now?
efficiënt to build up
City planning
Design public area
Sustainability and city climate: green roofs
Education, serious gaming and simulation

1934

1943

1954

2011
Education, serious gaming and simulation
Education, serious gaming and simulation
Foto's verzamelen
Future

Relation with maintenance systems
Computer graphics
Streetfurniture
Update process
Storage and Exchange
Applications
Open Data?

Principles
Complete
Primary
Actual
Accesible
Readable
No distinctions
Open format
No licences
Approachable

http://www.rotterdam.nl/links_rotterdam_3d
http://www.rotterdamopendata.nl/datastore
Open Data: contest

- **Rotterdam 3D Open Data**
  - Stimulate use
  - Stimulate (local) economy

- **Contest best app**
  - Team Sjakie & Co with Chococopy
  - Neighbours with design of parc Manifestatieveld (citizen participation)
Open Data: apps

Naam: Prinses Irene
Comment: “I had my first kiss here”
Rating: ★★★★★