3D in the municipal urban planning process

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History

Apeldoorn 3D started in 2004 with the Kanaalzone project

Request:
An urban plan viewer like the existing GIS viewer... but then 3D

Constraints
- Internet based
- Easy accessible
- Ability to fly AND walk
- Standardized approach
Throughout the years more projects were added
Why 3D

- Does not have to be expensive
- Better designs
- Better understanding
- Better communication
- More support
- Shorter procedures
- Fewer objections
COMMON SITUATION

- Plenty of 3D information is available, often not digitally
- Digital 3D is starting to emerge, it's being used occasionally
- Everyone for himself, everyone in his own way
- Takes a lot of energy every time
- The wheel is reinvented over and over again
- Usually a one-time action (money wasted)
- Results usually not reusable or combinable
- Unstructured
- A lot of different application domains
How it is/was

- Realization
- Maintain
- Design
- Initiative
- Program

How it should be

- Realization
- Maintain
- Design
- Initiative
- Program
THE EXPERIMENT

- Try to combine 3D data from different application domains
- Minimal manual labor
- Minimal data loss
How it is/was
How it should be
THE OPPORTUNITIES

COMMON SITUATION