



Denmark's National Digital Twin

EuroSDR 21/1-2026

“The way forward for 3D mapping at NMCAAs”



Agency for Climate Data

Where we left you: oblique images on the buildings



Interactive 3D engines

Exploratory investigation of the possibilities of 3D engines

- Visualization
- Dynamic simulation
- Interactive solutions, e.g., placement of new objects (dikes, renewable energy installations, new construction, trees, etc.)



Development of advanced visualization, water, and vegetation



<https://www.youtube.com/watch?v=nL8SLdfTGZY>

Dynamic simulation of water tubes



<https://www.youtube.com/watch?v=97oJgXXUuAM>



Årstal

05

2005

24

2024

Navigation



3. person



Drone

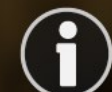
Fokuspunkter



Engsø

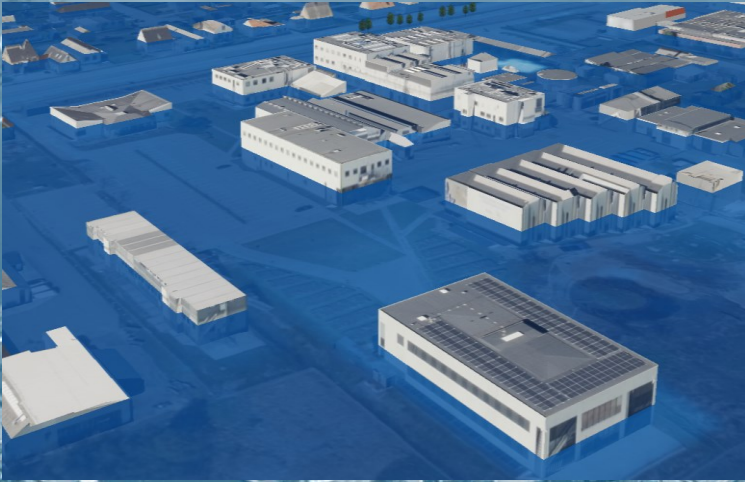


Shelterplads



Information

Visions and perspectives for 3D engines



Dynamic simulations

- Advanced flood models
- Rainwater, groundwater, sewers, fortification
- Simulation of inserts, e.g. water tubes



VR/AR simulations

- User at the center
- Democratic dialogue on urban development and nature projects
- Training environment for operational missions



Limits and gaps

- Local installations – no web clients for non-experts.
- Can only be done for smaller focus areas. Not all country.
- Our flooding simulations have not been validated.

<https://www.youtube.com/@styrelsenfordataforsyningo2859>

Our YouTube Channel

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