



GEIST

A mobile AR information system to experience history in
an immersive environment



Institut
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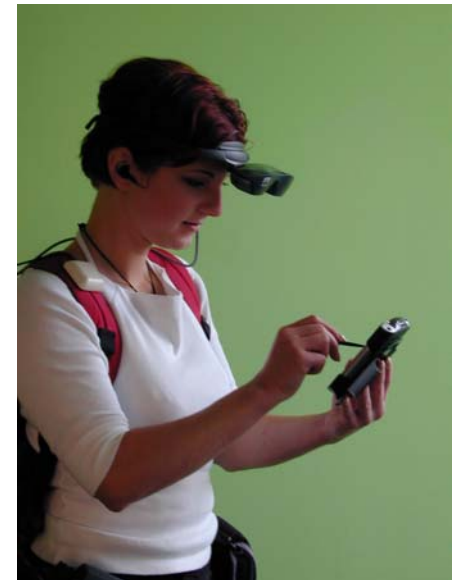
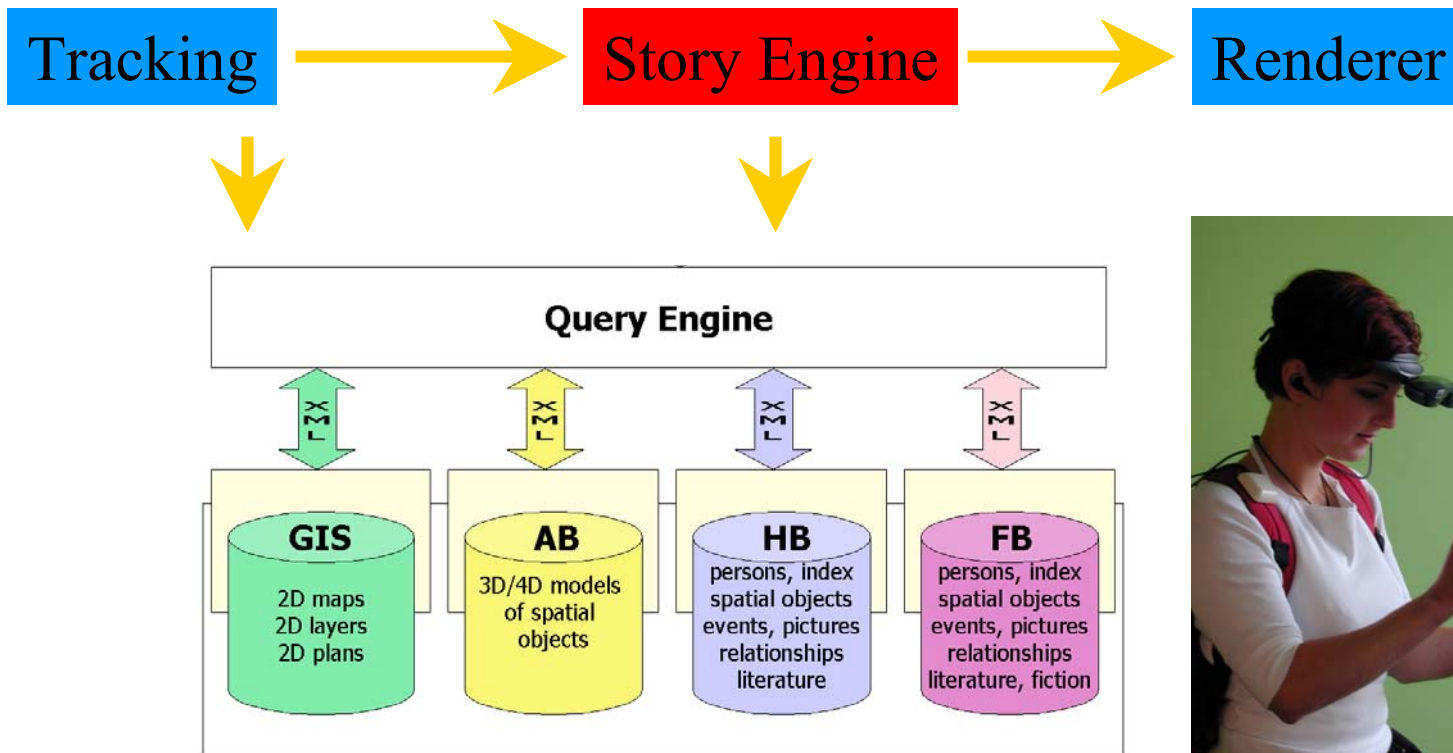


- **Research project in the context VR/AR**
- **BMBF (Federal Ministry of Education and Research)**
- **EML – Heidelberg**
- **ZGDV – Darmstadt**
- **IGD – Darmstadt**

Idea



System



Tracking

- GPS
- Orientation tracker
- Camera
- 3D model of the environment

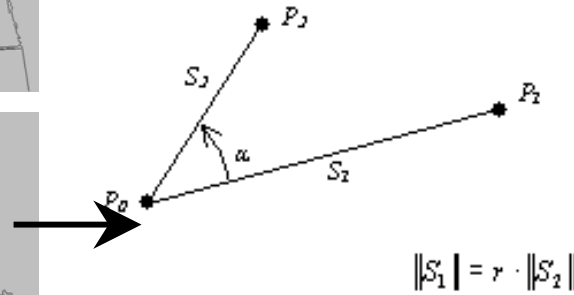
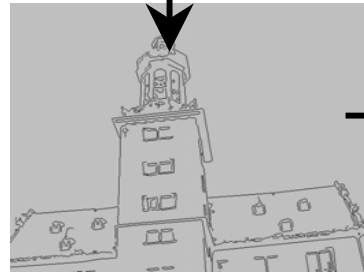
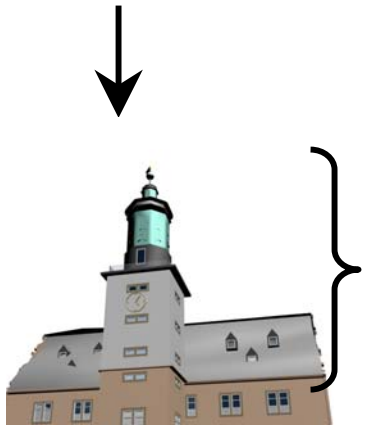


Comparison of view and video image



Videobased tracking

Model



Orientation

First prototype

