



MindPort

Democratizing Immersive Experiences

About Us and Our Tech



- Startup
- Founded 2021
- Based in Bonn, Germany
- Our mission:
Democratizing Immersive Experiences



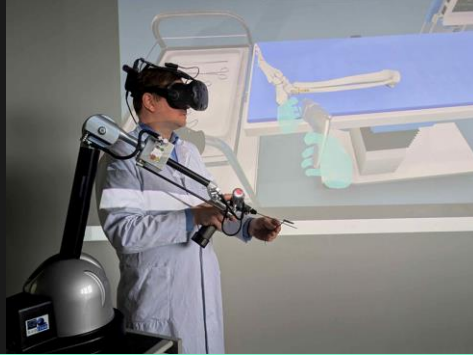
- Open source authoring system for creating VR applications
- Focus use case: VR training in enterprises
- Many industries: Manufacturing, logistics, automotive, aviation, medical, energy, ...
- Adopted by universities for research and education



Our Current Research-Projects

VIRTOSHA

- Surgical training
- Haptics
- Tissue simulation
- Improved tracking



AIXTRA

- Speech AI
- Intent recognition
- Voice cloning



REACH

- Robot integration
- Digital twins
- HMI / HRI



Gen-Alvatar

- Generative AI
- Synthesization of emotions and animations



more information: www.mindport.co/research



Project Idea 1 – Medical VR Training Platform

Idea Description

- Technological foundation for medical training in VR
- Digital twin of patients
- Integration of relevant hardware
- To support training in all kinds of medical areas
- Consortium leader: University Hospital Bonn

Seeking Partners

- Medical experts (with use cases for pilot adoption)
- Industrial and academic partners related to virtual humans/digital twins (data and conversion)
- Providers of relevant innovative hardware and software
- Non-German EU partners



Project Idea 2 – Industrial Virtual Worlds Engine

Idea Description

- 3D engine (rendering, physics, ...)
- Industrial app creation (dev & authoring)
- Broad hardware support, incl. robots (and digital twins)
- Native XR support
- Open source

Seeking Partners

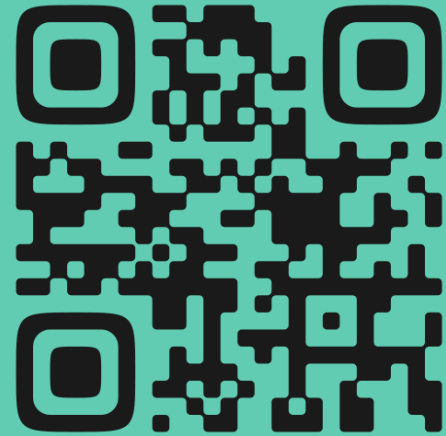
- Hardware providers and integrators
- Use case specialists
- Open source product developers
- Edge computing and/or telecommunications
- Consortium leader





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