Connecting Plant Simulation with mobile 3D & Virtual Reality Systems e.g. using an Oculus Rift

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Who We Are

- more3D founded 2001
- Stereoscopic 3D systems & solutions
- moreStereo3D Stereo3D-Plugin Software
- moreMediaHD 3D Media Player Software
- moreViz VR Bridge Software
moreStereo3D Software

- Direct stereoscopic 3D in your application
- Adjustable 3D
- Support for any 3D output device
Scaleable – small and

To the big Scale

Siemens Industry Software
Advantages

- Easier communication
- Less revisions -> quick decisions
- Efficient processes
- Time saving

It gets even better...

For full natural immersion we need to have

- Scaled visualization?
- Interaction with 3D content?
- Good performance on big 3D models?
- Natural perspective adaptation?
- Completely filled field of view?
Optimised Solutions

- Fully Immersive
- Position recognition and focus adjustment
- Interaction with flystick, joysticks, gestures..
- Clustered rendering for maximum speed
- Worldwide collaboration

moreViz – VR Bridge

- Interactive – Immersive - Collaboration
- Modular Virtual Reality Bridge
- Cave – MultiWall - Angled Wall - Powerwall - HMD
- Cluster & Network Support
- VRPN interface
- Powerful more3D Engine
- Supports many interactive and immersive devices
- Certified software
The moreViz Software

Enables CAD & Simulation software for:
- Interactive & immersive digital planning
- Simulation sessions
- Team reviews
- Worldwide collaboration with 3D technology

moreVIZ Functions

- Copy graphics data from the graphics card
- Delivery of data via network
- Visualization based on
  - wall rotation
  - tracking
  - Input
Cave with moreVIZ

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zWall Vario

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VRPN and Tracking

VRPN interface for tracking devices

More Interaction

Support for:
- Haption Motion Tracking for Jack
- Kinect, game pads, joysticks,…
- Inertial sensor based tracking
- HMD: i.e. Oculus Rift, many more
- Hololens…
- Ultrasound…
- Haption 6 DoF Force Feedback
Collaboration

- Internet delivery of graphic data
- Example Cologne -> Italy: 0.3s delay
- Certificate-based encryption
- Independent tracker per client
- Alternatively: Central Tracker

Certified Applications

- Process Simulate, Robot Expert, Plant Simulation, Jack
- JT2Go, VisView Pro, VisMockup
- SAP Visual Enterprise
- Creo, Creo View
- Catia, Delmia
- Many more in preparation... 😊
morePheus³ Stereoscopic Systems

CAVE, Powerwall & more

morePheus³ L-Shape

- Interactice Immersion
- Front and floor projection
- Full HD resolution
- 8500 Lumen
- Each screen 3,2 x 2 m
- Active stereo 120Hz
morePheus³ UP

Complete 3D System: Laptop, 3D projector, 3D glasses.

- HD 3D Projection
- 1920x1080 Pixel
- 4000 Lumen
- Ultrashort-throw Lens
- Screen size up to 3m width
- Safe Storage: polypropylene case
  - IP67 certified
- Plane: hand luggage ready

moreSonic³ monitor

Ideal for your flicker free 3D experience:

- 27” Screen 16:9 size
- Linear Polarization 45°/135°

- Two versions available:
  - 1920 x 1080 pixel per eye
  - 3840 x 2160 Pixel per eye
Conclusion more3D

Optimize planning and simulation in stereoscopic 3D
moreStereo3D

Optimize your development with interactive immersion
And worldwide collaboration
moreViz

Thank you

Do you have any questions? Are you interested to test more3D? Please contact us. Thank you

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