Pocket Virtuality a.s. (pocketvirtuality.com)

Fata Morgana

Fata Morgana is a remote presence platform. The system scans the environment and produces its virtual representation in real time. This virtual venue can be joined and shared by other users from remote locations.

The system facilitates collaboration of connected users in remote locations and in the real environment.

For more information, visit http://pocketvirtuality.com/fata-morgana.php

Fata Morgana Benchmark

Fata Morgana uses custom 3D engine to render 3D content efficiently in both AR and VR. It runs on UWP primarilly and can be really fast on Microsoft HoloLens. Fata Morgana engine support AR and VR, MS MR and openXR, target is to be faster and more secure than general multiplaform 3D engines.

As we are constantly trying to improve efficiency of our rendering system, we are interested in actual performance of new AR glasses.
With help of our benchmark you can compare graphical performance of HoloLens 2 to HoloLens 1, measure tps and fps quantities for some typical scenarios. And get an idea what is possible to render on HoloLens in realtime.

A couple of screenshots from Microsoft HoloLens: