



Create. Innovate. We Are (VR) Ready.



Why To Jump On The Virtual Reality Train?

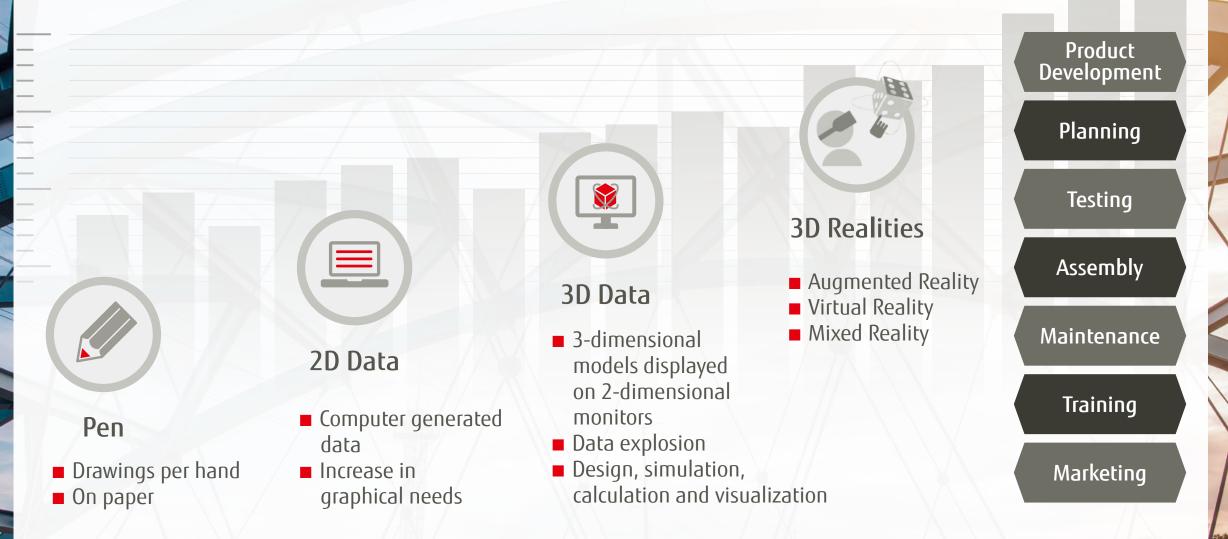
Virtual Reality as an aid to design, engineering, architecture and manufacturing has been around for decades. But it is only now that this exciting

2016 will go down as the year when everything changed. VR not only became more powerful, but the technology became affordable.

It is no longer the preserve of large automotive and aerospace firms. Even small architectural practices can now get on board.

There are more possibilities than you think. Be inspired by this new technology.

Workstation Graphics Power Fuel Innovations and Drive Digitalization



Reality Spectrum

MIXED REALITY (MR)

Mix of reality and digital, computer generated content

Real Environment
Reality

Augmented Reality (AR)
Real world with digital
information & data overlay

Augmented Virtuality (AV)

Merging of real world objects
into virtual worlds

Virtual Reality (VR)
Computer generated world
simulating the real world



Professional Usage Areas





Retail



Healthcare



Media & Entertainment



Architecture



Defense



Aerospace







The Virtual Reality Ecosystem
Are You Aware Of What It Takes
To View Your Data In VR?



Take your existing 3D data or enrich it due to missing information (manual or semi-automated)

Import data into a VR engine (Unity, Unreal, Autodesk VRED, ESI IC.IDO, etc.)

Bake lighting into scene for a more realistic experience (ray tracing)

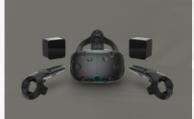
Define your storyline, i.e. the interaction in the VR scene (animation, teleportation, walk-around, etc.)

Choose hardware



VR-ready graphics and maximum frequency processor

Highly recommended in order to ensure a smooth operation and a future proof investment (e.g. for collaborative scenes).



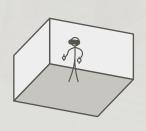
Choose a professional head-mount display (HMD) like the HTC Vive, Oculus Rift or a Mixed Reality Headset

Test your VR scene upfront!

Choose the experience



Seated: good for jumping between CAD and VR



Room scale: good for design review or customer presentations

Professional Virtual Reality Experience with VR-READY Certified Workstations











	CELSIUS H7510 and H780	CELSIUS W5010	CELSIUS M7010	CELSIUS R970	CELSIUS C780
	Most secure 15.6-inch mobile workstations	World's smallest VR-ready desktop workstation	Cable-free and whisper quiet	Up to 56 cores / 112 threads	1U rack workstation
Head-Mount Display (HMD)	Fujitsu recommends HMDs with a minimum of 90 frames per second				
Processor	Up to Intel® Core™ or Intel® Xeon® processor with maximum frequency				
VR-Ready Graphics	AMD Radeon Pro WX or NVIDIA Quadro professional, VR-ready graphics cards				
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Fujitsu Offers A Future Proof Virtual Reality Experience:

- → High-fidelity visuals
- → High interactivity / tracking
- → Stereo real-time rendering
- → Fully immersive

- → Ultra-high frame rate
- → Ultra-high resolution
- → Ultra-low latency



Some Food For Thought

Oceanography professor – field trip to the bottom of the North Sea

Engineering students – designing their first prototype

Design students – creating their first games

Chirurgic training – in an virtual operating room

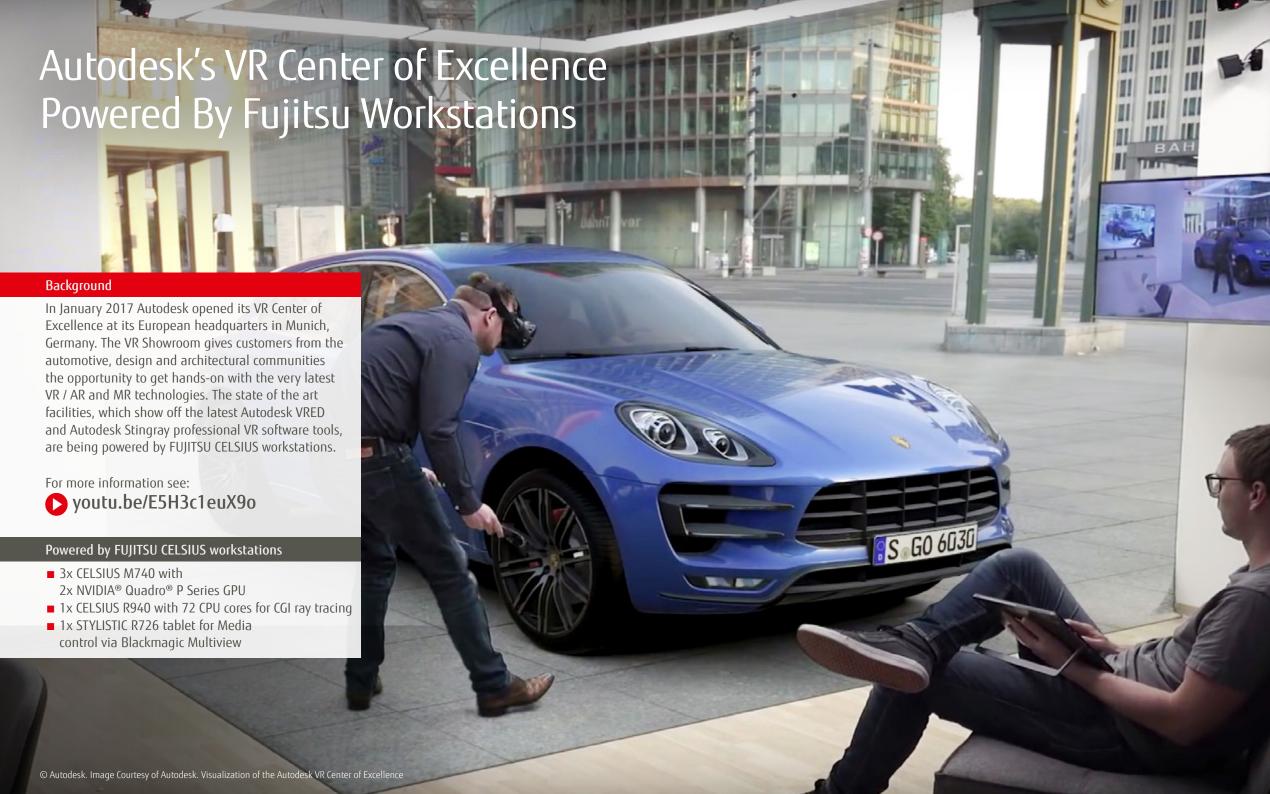
Law lecture – simulated courtroom

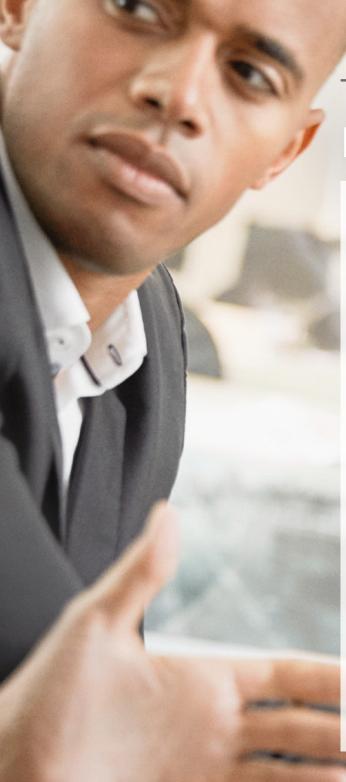
Physics students – interacting with other students on different continents on the same project

Tours to virtual campuses

"Our students used Unreal to design a virtual reality Ethiopian village environment to explore using Oculus Rift within the dedicated VR lab in order to promote the charity WaterAid. It's that type of ingenuity – as well as experience with the best technology – that will serve them well as they enter the job market."

London Design & Engineering UTC





Testimonials Here's what our customers say:

Manufacturing

"If we miss an error during the materials assembly stage, it leads to rework in subsequent stages abd delays in the final construction schedule. Our objective was to ensure we could catch every error by harnessing the power of ICT in the inspection of assemblies"

Hiro Nishihara

Executive Director and Factory Manager, Oyama Factory, TOMOE Corporation

M&EMedia & Entertainment

"To meet computational requirements, we needed hardware at the highest level. The significant benefits that Fujitsu's powerful graphics workstations give us include primarily the ability to accelerate the implementation of projects and the effective implementation of these changes."

Dominik Koziarski

New Business Manager, i3D Network S.A.

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