

TEMA TECHNOLOGIE



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Virtual Reality and Augmented Reality for Industry 4.0

Find yourself demonstrating
and servicing your products
around the globe without
ever leaving your office!

See your customers
and save on travel
expenses!



Virtual Reality and Augmented Reality for Industry 4.0



The Situation

Your products are developed and built in Germany and then delivered to customers all over the world. Personnel must be on hand for project commissioning, maintenance and repairs, as well as for technical training.

Our Recommendation

Our solution puts your team in Germany in the same room with your customers many kilometers away. The actions or tasks you perform can be seen directly by your colleagues or clients; they see your movements as if they were right alongside of you. He/she can take a screwdriver from your hand and repeat your very movements. You can also take him/her by the hand and make corrections. Additionally, you can see the system or installation from every perspective; you can move within the room, you can alternatively minimize yourself as to inspect small spaces.

The Advantages

You save travel costs and time. On demand, you can be in the same room instructing, correcting and interacting. Instead of having to send representatives for seminars, repairs and servicing throughout the world, you set a meeting in a virtual room.

Since movements and gestures can be directly shown and corrected, language barriers play a lesser role.

While working in this virtual world, everyone can look at the same documents, draw up additional documents, engage with other colleagues, make calls, and much more.

Our Solution

We integrate the CAD data of your products into a virtual reality solution that already includes data transmission, multi-user capability and communication. This allows us to make complex systems and products available quickly within a virtual space. We work with standard hardware and software components such as HTC Vive, graphics power from Nvidia and Microsoft's Windows 10.

We have implemented complete solutions quickly and cost-effectively for plant engineers such as Dürr AG. We would be happy to discuss a solution that meets your exact needs.

We work from Aachen, Berlin and Stuttgart.

Technical Requirements

- HTC Vive, Oculus Rift or Windows Mixed Reality
- Windows 10
- Recommended: Nvidia GTX 1070 or better
- Data exchange with CAD systems via STEP
- Internet connection



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AACHEN

Aachener-und-Münchener-Allee 9
52074 Aachen / Germany
Phone +49 241 88970-0
Fax +49 241 88970-999

BERLIN
DORTMUND
MUNICH
STUTTGART
BEIJING
CHICAGO
PARIS

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