

Extended Reality Application in industrial environments

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Extended Reality has developed strongly in recent years. Companies are increasingly recognising the potential that the technology can offer, which is leading to its increased use in industrial environments. The possible applications are diverse - from virtual work meetings and remote assistance to virtual product development and digital twins.

A distinction must also be made between the two main technological fields of augmented reality and virtual reality - which offer different potentials and application scenarios.

Despite the potential advantages, in particular small and medium-sized enterprises are hesitant when it comes to the use of extended reality technologies and industrial use is increasingly limited to large companies.

An increasing number of scientific papers refer to the use of Extended Reality in the industrial environment, as well as different application scenarios but also differences and barriers in the use of the technology.

Tasks:

1. Literature research on the topic of Extended Reality in an industrial environment.
2. Focus on differences between large companies and small and medium-sized enterprises (SMEs)
3. Analysis of existing application scenarios and examination on AR/VR headsets in the Schumpeter Laboratory for Innovation.

We offer an interesting task and the opportunity to gain expertise in the field of extended reality.

Sonstiges | Misc

Duration: 3-4 months

Start: immediate start possible

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**INNOVATION
AND INDUSTRIAL
MANAGEMENT**

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