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A Framework to Establish an Assistance System by Using Reality Technology in Maintenance

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Abstract

Maintenance is an increasingly complex and knowledge-intensive field. In order to address these challenges, assistance systems based on augmented, mixed or virtual reality can be applied. Therefore, the objective of this paper is to present a framework that can be used to identify, select and implement an assistance system based on reality technology in the maintenance environment. The development of the framework is based on a systematic literature review and subject matter expert interviews. The framework provides the best technological and economic solution in several steps. The validation of the framework is carried out through a case study.

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