Mixed Reality Substation

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The VR Substation initiative leveraged EPRI"s research foundation to create a modular, scalable training ecosystem with key milestones including: Completion of 3D modeling, system ...

We present our prototype application of head mounted display (HMD) based augmented reality (AR) for use in in factory contexts.

The invention belongs to the technical field of operation and detection of transformer substation equipment, and particularly relates to a transformer substation equipment operation and...

Mixed Reality (MR) technology provides an innovative remote assistance solution for power substation operation and maintenance by integrating virtual information with the real world.

Experiments using real-world substation data validate the effectiveness and superiority of the proposed approach for indoor object detection. The FL system addresses ...

Mixed reality substation training platforms enable organizations to replicate hazardous scenarios and complex procedures in a controlled virtual environment, significantly minimizing the risk of ...

In light of this analysis, this paper proposes a substation O& M training system based on VR and KGs, aiming to address the shortcomings of existing systems and improve ...

NYPA"s first experience with digital substations took place about a decade ago when a system was installed in the switchyard at the St. Lawrence-Franklin D. Roosevelt ...

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