Use Cases of MR Application in Japanese Electric Power Companies

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PS1 Q1-04

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Q1-04
What are the expectations of electric power utilities from the virtual and augmented reality technologies? Are they going to be used only for engineering staff training or there are other promising applications?

Answer

✓ MR technology is expected to be used mainly for training.

✓ MR technology is expected to be used to assist engineers from remote areas.

1. <u>MR HMDs (Mixed Reality Head Mounted Display) can display 3D graphics of inspection procedures and play training videos.</u>

✓ The HMD displays images so workers can intuitively understand the system.

✓ MR can be used to improve technical skills without the need for conventional group training.

2. MR HMD can work with web conferencing applications.

- ✓ Integrate with web applications to share images seen from a technician's point of view.

- ✓ Annotations such as arrows and lines can be written in the virtual space from a remote location, enabling smooth communication.