

## Overview of QuantuMR Mixed-Reality Solution

### Product Highlights

1. Supports frontline field tasks by leveraging Mixed Reality (MR)
2. Enables tasks to be performed faster and with less effort, and reduces operation and maintenance (O&M) costs through early discovery of abnormalities
3. Compiles skilled workers know-how that can be passed on to younger workers for human resources development

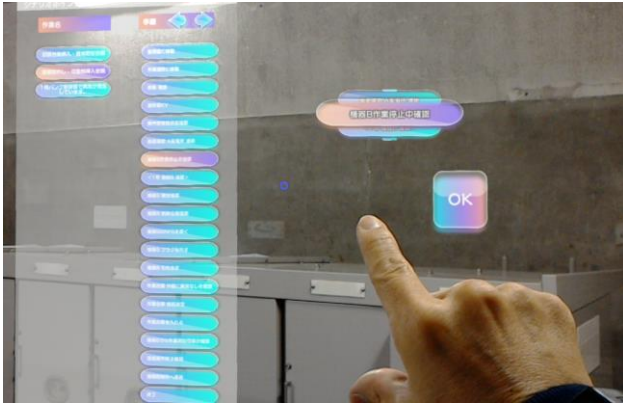
### Functions

1. Enables remote communication between multiple persons using real-time sharing functions (field-of-view, audio and holograms) based on both MR and virtual reality (VR).\*
  - Remote monitoring system provides changeable bird's-eye views in a VR world and supports information sharing, field-environment maintenance and log management for recording the positions of workers (avatars), actions taken, etc.
  - Remote logistical support using audio and holograms
2. Constructs a MR world in which sensor data and manuals are overlaid on the real world to support precise, intuitive inspections and patrols. Data registration, management, recall and layout are enabled for hazardous areas, field equipment operational procedures, sensor data, and blueprints and manuals.
3. Leverages game-development technology in a new approach for digitally managing work in a MR space.\*
4. New user interface simplifies working in a MR world\*
  - MR indicator (permanently displayed self-tracking menu interface)
  - Oval menu (oval-shaped MR space displays basic menus and frequently used data)
5. Work-support tools leverage MR attributes
  - MR marking function
  - MR object layout
  - MR-world navigation

\* patents applied



Enables advanced, remote communication between multiple persons by using real-time sharing functions (field-of-view, audio and holograms) in both the MR and VR worlds.



Leverages game-development technology in new approach for digitally managing work in a MR space



New user interface simplifies working in a MR world

**System Configuration:**

Compatible OSs & devices include Windows 10, HoloLens, iOS and Windows MR (VR)

MR-RC:  
Mixed-reality Remote  
Communication:

