Credit: A.Daste

THEORIS

OmniSupport
The THEORIS Disruptive Mixed Reality Solution for Maintenance, Repair and Operations (MRO)

SOLUTION SPOTLIGHT

Developed to meet the requirements of firstline workers in charge of equipment maintenance, **OmniSupport** provides powerful Holographic Services on top of **existing MRO data**.

Thanks to the THEORIS Solution, MRO operators get the right information at the right time (**step-by-step instructions** with validation conditions), in the right place (**pathfinding assistance**), and possibly supported by the right MRO expert (**remote guidance**).

Offering an intuitive **multimodal user interface** controlled by gestures, voice or a **smartwatch**, **OmniSupport** leverages the capabilities of Mixed Reality to display in-situ instructions while keeping the **operator's vision of the working area clear** and his **hands free**.

CLIENT'S BENEFITS

✓ Turns inexperienced operators into veterans (on-the-job training)

✓ Optimizes the expert's time and availability

✓ Reduces equipment downtime and related impacts/costs

✓ Uses existing 2D content: structured procedures or bundle of documents

✓ Relies on a mobile system compliant with the Microsoft IT ecosystem

"The next generation of MRO Apps is available on HoloLens!"

HOLOGRAPHIC USER INTERFACE

- ✓ OmniSupport turns your **existing 2D content** (xml, pdf, images, videos, sound tracks) into **relevant 3D views**

- ✓ This content can be **localized** regarding equipment (**pathfinding**)

- ✓ In addition to video stream sharing, **remote guidance** also supports **localized annotations**

RELIABLE USER INPUT

- ✓ Designed to work in noisy and narrow areas, OmniSupport introduces a wearable **companion device**

- ✓ Thanks to a **smartwatch**, all the App features are accessible through an intuitive **"turn & tap" paradigm**

- ✓ OmniSupport is also compliant with **gesture** and **speech** recognition

VERSATILE USE CASES

- ✓ Although initially made for aircraft maintenance, OmniSupport is **loosely coupled** with the data structure

- ✓ We just need to **forge an interface** module with the system that manages your MRO instructions

- ✓ And possibly extend OmniSupport capabilities with **dedicated add-ons**

Contact

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THEORIS

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