



MANIFEST

REPLICATE YOUR EXPERTS

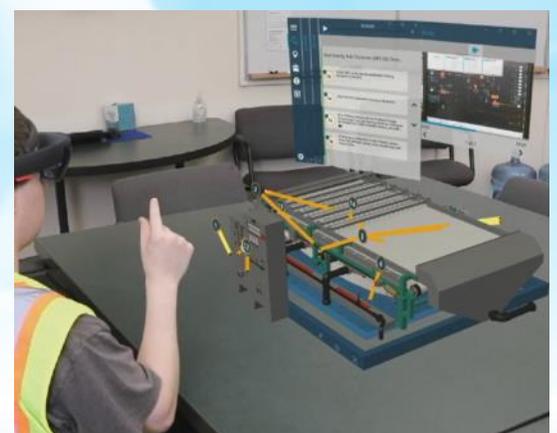
MANIFEST is an augmented-reality solution for **authoring step-by-step instructions**, enabling **training, inspections, maintenance, and other complex tasks.**

MANIFEST, by Taqtile, enables field technicians with the latest augmented-reality (AR) technologies, conveniently projecting pertinent information directly over the real-world equipment.

MANIFEST is the first AR solution designed to bring the latest portable technologies, including Microsoft's 'Universal Windows Platform' (UWP) and Apple's 'ARKit', to the modern field worker as a legitimate tool.

MANIFEST overlays the physical or holographic asset with pertinent data providing full life-cycle service, training, and inspection capabilities. Only MANIFEST allows a millwright or other expert to "field author" step-by-step processes for maintenance, training, or inspection at the actual asset. Then any operator can use this for training or replicating the job. Results of these jobs can then be reviewed by appropriate personnel directly from a central management dashboard.

MANIFEST's ultimate goal is enabling autonomous technicians to complete complex tasks more accurately, efficiently, and safely while meeting increasingly rigorous requirements.



**Digitally Transform Your
Workplace & Knowledge.**



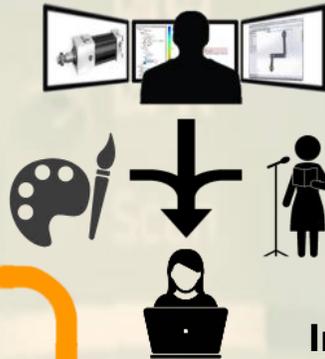
MANIFEST AUGMENTED REALITY CONTENT FLOW

Field Authoring (MANIFEST Exclusive): “Give to your expert & let them record their job.”



A Head Mounted Display (HMD) or tablet running MANIFEST enables an experienced field technician to easily “Author” an augmented reality content session using only voice and a few gestures (or keyboard for tablet). Manifest maps the actual equipment in 3D space using the HMD’s stereoscopic cameras. The technician places step-by-step instructions in 3D space around the equipment for others to utilize: job nuances permanently captured.

Content Team Authoring



Other systems require (expensive) multifunction teams to generate content. MANIFEST can also use this content: 3D holograms from engineering. Optional voiceover, graphic design, and other art talent. Computer technician to combine all components into a cohesive “Authored” package. MANIFEST allows clients to choose the sophistication of content production — and associated expense.



Industry 4.0 & IIoT Process Inputs



Data flowing from sensors of modern industrial plants can be selected and automatically configured so MANIFEST can present pertinent process data to operations, organize coherent dashboards for management, amongst countless other tasks.

COMMON USER ROLES

Operator



Follows directions created by Author, accepts jobs from digital job board, and leaves evidence of what has been done in job history.

Inspector



Confirms quality of work, products, and other assets including infrastructure.

Trainee



Converts information to practices at their own pace and time making themselves, others, equipment, and operations most safe and productive.

Manager



Visualize, and even interact with, information in 2D or 3D for situational awareness to make decisions towards optimizing safety and business.

Contact Us for more information to help your company join the digital transformation with Star Tool’s experience applying Taqtile’s practical and pragmatic augmented reality tools to industry.



Eric Almquist | Star Tool & Die Works

EAlmquist@StarToolAndDie.com

+1 - 708 - 712 - 4383

