taq tile.

Booz Allen

CORE FUNCTIONS OF MANIFEST

- Field Service Ops, Training and Inspection

- Hands-free Knowledge Capture

- 3D Placement of Task Steps

- Work Order Integration

- Full-cycle Inspection Workflow

- IoT Connectivity & Display

- 3D Map View of Work Progress

- Flexible Integration

FOUR USER ROLES

Manifest has four user roles which have independent functions

ADMIN MANAGER

SOLUTION ADMIN

Admins can manage assets, users, and locations in addition to configuring IoT meters & measurements as well as other back-end integrations like work orders, etc.

INSPECTOR

INTERNAL OR EXTERNAL

The role of the Inspector is to show compliance or non-compliance on a series of Government or Internal regulations.

OPERATOR

TECHNICIAN / TRAINEE

Main focus user for Manifest. Follows directions left by Author, accepts jobs from the board, and leaves evidence of what has been done in job history.

AUTHOR

SUBJECT MATTER EXPERT

The role for the user that is the knowledge expert and can create checklists and place steps in 3D space

SKILLED EXPERTS CREATE JOB CHECKLISTS

Authors use 3D placement of markers to instruct specifically where, when and how to do complex work tasks. Manifest is powered predominantly through user-generated content stored in a secure cloud for each client.

Here a plant expert new to HoloLens, dons the headset to Author a job as she performs it. Using 3D step markers she builds a job template, complete with video and photo notes, that can be augmented over the panel and equipment to guide any Operator needing to perform the same task.

OPERATORS GET HANDS ON GUIDANCE

Whether an Operator is still training or just new to a specific task, any expert authored checklist is at their finger tips guiding them through a job as they perform it.

Here a new hire to the plant, follows the previously authored job template in Manifest and completes the same procedure as the expert simply by following the augmented steps and notes.
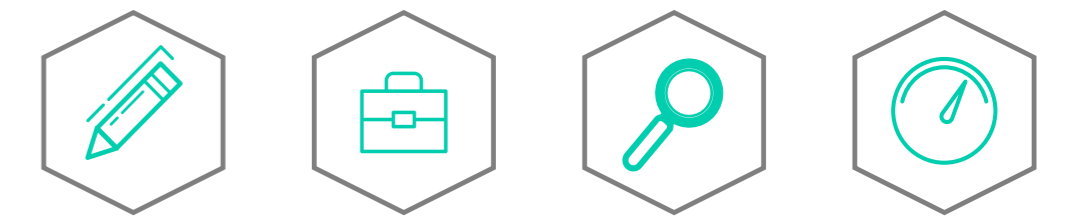
IOT DATA & ALERTS

Manifest integrates directly with your IoT data displaying meters readings augmented over physical or virtual equipment.

Based on specified meter parameters, alerts are automatically generated empowering on-the-ground Operators to immediately take appropriate action.

DIGITAL TWIN OF ASSETS

Render the digital twin of any asset to remotely author job templates, train, or extend remote assistance to on-the-ground Operators with a representation of the same equipment.

3D model of a gravity belt thickener is rendered at full-scale, or small scale. The user can review steps and content to train or prepare in a safe, controlled environment before going to job site.

EASILY TRANSFER KNOWLEDGE

Whether your experienced workforce is aging out of your industry; or due to the location, cost, or availability of highly skilled resources is limiting your growth – your company needs a quicker and more reliable way to capture, transfer and retain knowledge. Here is how Manifest can help:

SIMPLICITY FOR AUTHOR

Rather than having an expert take additional time to create training materials using traditional methods, Manifest enables them to easily create these as job templates hands-free while performing the task.

EFFICIENCY FOR WORKFORCE

With Manifest, a highly skilled resource can author content making job templates instantly available for any employee to access and perform the same specialized and complex task – regardless of location or skill level.

HANDS ON LEARNING. HANDS FREE.

Manifest enables users to learn by doing with step-by-step guidance augmented directly over the equipment they are working upon.

DEVELOP A SCALABLE KNOWLEDGE BASE

Develop a living knowledge base in a tool that becomes accessible to your entire workforce, making expert knowledge instantly available.

INTEGRATE WITH YOUR SYSTEM OF RECORD

Manifest has a restful API for integrating with existing systems

> ### MICROSOFT AZURE

All data stored in Azure

Auto-scale as necessary

Compatible with Government Cloud

> ### AZURE IoT

Integrate with Azure IoT for seamless MR view of data panels and creation of alerts

Meters can be placed in 3D space over equipment where they are contextually useful

Steps can be controlled and managed based on IoT readings

> ### DFARS COMPLIANT UPGRADE AVAILABLE

Compliance with Defense Regulations from cloud-backend to HoloLens user

> ### KNOWLEDGE MANAGEMENT

Use Manifest for data capture

Share captured data with other traditional knowledge management systems.