# **EPC COMPANY FOR ASSET DIGITAL TWIN AND MAINTENACE PROCEDURE**



Cluster Reply and Infinity Reply

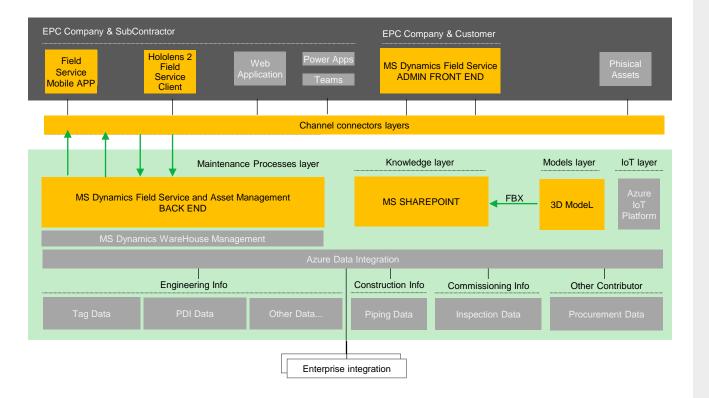


#### **OFFER TARGET**

- EPC Company Asset Digital Twin system based on Microsoft Field Service technology
- Hololens viewer to integrate the maintenance process on the field
- Check access to digital documentation useful for the technician to carry out maintenance activities with AR support.
- Check access and visualization of 3D assets contextual to the maintained objects.
- Ordinary and Preventive Maintenance processes
- Design and validate a process workflow to support EPC Company Maintenance Operations
- Collect further requirements to complete overall solution design for an EPC Company

## **ARCHITECTURE PROPOSAL**

Phisical Component POC

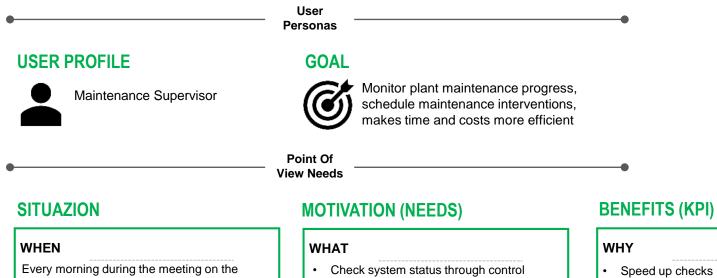


#### NOTE

Architecture Proposal in order to have a structure scalable and clonable.

# **USER STORY 1**

We define user needs in term of situation, motivation and benefits



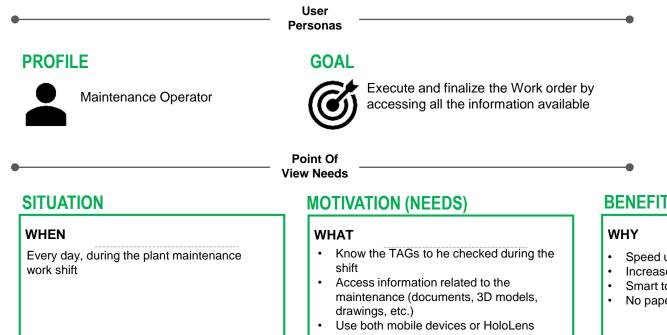
- Increase Response Quality
- Control over the entire maintenance cycle
- Optimization of resources in the field (cost saving)

Every morning during the meeting on the scheduling of interventions, the user checks the progresses and plans maintenance activities.

- Check system status through control dashboard (IoT data collection in the future)
- Verify incoming support ticket from the field
- Check maintenance plans
- Maintenance scheduling (ordinary, preventive, predictive (in the future))

# **USER STORY 2**

We define user needs in term of situation, motivation and benefits



- (hands free device) Add multimedia information to the ٠ inspection
- Finalize the intervention ٠

#### **BENEFITS (KPI)**

- Speed up checks
- Increase inspection quality (less rework)
- Smart tools usage
- No paper sheet needed

### **POC OVERVIEW**

EPC COMPANY MAINTENANCE SOLUTION CONSISTS OF THREE MAIN COMPONENTS:

