

CPO 17 Agile Maintenance Ecosystem (AME)

Project Summary

The objective of AME is to evaluate a Phase I proof of concept and understand the feasibility of developing a comprehensive environment that provides for autonomous inspections, employs artificial intelligence, and enables aircraft maintenance tasks to be accomplished across stovepipes with increased effectiveness.

Project Timeline

Kickoff: 20 March 2018
PDR: 26 March 2018
CDR: 13 April 2018
Final Demonstration: 31 May 2018



Resources Consumed

Total Cost: \$749,000



Project Results

AME effectively aggregated maintenance data from multiple dissimilar data sources into a format that could be used to do further analysis. From this maintenance data consolidation, AME generated a variety of statistical analyses to answer the questions posed as a part of this project. Additionally, AME developed predictive models using AI machine learning technology to accurately predict bleed air valve failures in advance of their occurrence.

Transitioned to AFMC Agile Combat Support & HAF A4

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TRANSITIONED

