



Logistics Officer Association Symposium 2018

Data Analytics Condition Based Maintenance Plus Panel

12 October 2018

Flightline of the Future

**MAXIMIZED
PART LIFE**

**ACTIVE CONDITION
MONITORING**

**RELIABILITY CENTERED
MAINTENANCE (RCM)**

**Prognostics & Health
Management (PHM)**



**Health & Usage Monitoring
System (HUMS)**

**DATA DRIVEN
DECISIONS**

**HOLISTIC
FLEET
KNOWLEDGE**

**CULTURE
CHANGE**

**NO MISSION
ABORTS**

Minimize Unscheduled Downtime,
Maximize Availability,
Reduce Maintenance Cost.

Condition Based Maintenance Plus

Early Detection of Failures
Enables Life Cycle Management.

**BIG DATA
ANALYTICS**

**Predictive
Maintenance**

**MAINTENANCE STEERING
GROUP-3 (MSG-3)**

**Integrated Vehicle Health
Management (IVHM)**

CBM+ is the foundation!



U.S. AIR FORCE

CBM+ Foundation



AFLCMC... Providing the Warfighter's Edge





U.S. AIR FORCE

Panelists



AFLCMC... Providing the Warfighter's Edge

- **Col Rob Jackson**, USAF, AMC/A4Q
- **Mr. Jeffery Vaughn**, USAF, B-1 Chief Engineer
- **Ms. Melanie Jonason**, USAF, Propulsion Chief Engineer
- **Mr. Craig Amadeo**, Delta Air Lines
- **Mr. Serg Posadas**, Clockwork Solutions, LLC
- **Mr. Kevin McCormick**, Lockheed Martin Rotary and Mission Systems



