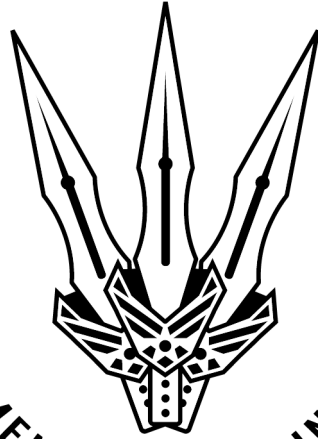


RSO



SUSTAINMENT THROUGH INNOVATION



LIFE CYCLE INDUSTRY DAYS 2023

Rapid Sustainment Office
Mr. James Lawrence, Deputy Program Executive Officer

PURPOSE:

Accelerate delivery of Critical Operational Solutions to the Department of the Air Force (DAF) Sustainment Enterprise.

MISSION:

Optimize warfighter readiness by exploiting technologies to revolutionize sustainment operations.

VISION:

To be the preeminent Department of Defense (DoD) solutionists that challenge conventional mindsets, push the boundaries of innovation, and generate concepts that solve problems at the speed of user need.



HEADQUARTERS AIR FORCE



AF MATERIEL COMMAND



AF LIFE CYCLE MANAGEMENT CENTER



RSO ORGANIZATION & LEADERSHIP



Board of Directors



LT GEN SHAUN Q. MORRIS
AFLCMC/CC



MR. ANDREW P. HUNTER
SAF/AQ



GEN DUKE Z. RICHARDSON
AFMC/CC



LT GEN TOM D. MILLER
AF/A4



LT GEN STACEY T. HAWKINS
AFSC/CC



LT GEN SHAUN Q. MORRIS
AFLCMC/CC

PEO

PEO Staff



Advanced Manufacturing



CONDITION BASED MAINTENANCE **CBM+**



RSO IS SUPPORTING SECAF OPERATIONAL IMPERATIVES

5. DEFINING OPTIMIZED RESILIENT BASING, SUSTAINMENT, AND COMMUNICATIONS IN A CONTESTED ENVIRONMENT

- The RSO is supporting Agile Combat Employment (ACE) by providing innovative and mature technologies to operate in contested austere environments.
- Within Advanced Manufacturing, the RSO is pursuing mobile stand-alone capabilities, including Cold Spray applications.

7. READINESS OF THE DEPARTMENT OF THE AIR FORCE TO TRANSITION TO A WARTIME POSTURE AGAINST A PEER COMPETITOR

- The RSO is gaining traction in Automation & Robotics processes and technologies.

TECHNOLOGY FOCUS AREAS



Artificial Intelligence & Machine Learning

Employing AI/ML to optimize fleet maintenance and predict / prevent aircraft failure.



Advanced Manufacturing

Utilizing new manufacturing technologies to upgrade fleets, reduce waste, & extend lifespans.



Automation & Robotics

Implementing technology solutions to accelerate maintenance times, mitigate risks, and positively impact costs.



Augmented & Virtual Reality

Deploying augmented reality and virtual reality hardware and software to unify expertise and accelerate the speed of training.



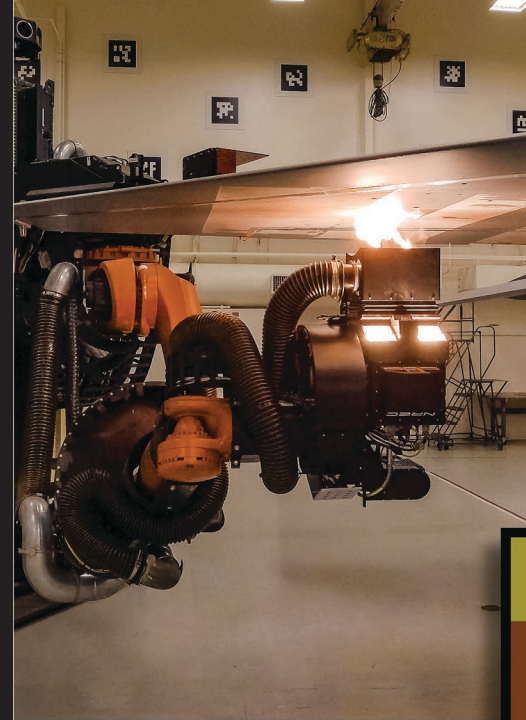
Rapid & Austere Maintenance Environments

Deploying capabilities and providing Airmen with emerging technologies that are rapidly deployable to austere locations.



Data & Digital Environments

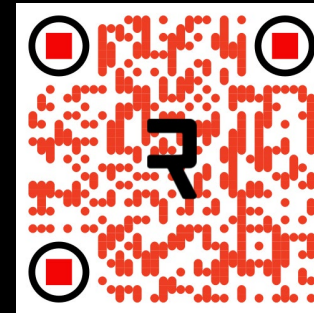
Using technology to make data more usable with better quality information and consistency.



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