

AF Life Cycle Management Center



Additive Manufacturing in DoD Maintenance – Realizing the Potential

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Providing the Warfighter's Edge



USAF Additive Manufacturing



U.S. AIR FORCE

AFLCMC... Providing the Warfighter's Edge

- **Building the foundation of Additive Manufacturing (AM)**
 - Standardized processes and equipment
 - Certified operators and machines
 - Skilled technicians and engineers
 - Cyber secure, centralized technical data
 - Enterprise network
- **Polymer AM**
 - Received airworthiness approval for ULTEM™ non-critical aircraft interior parts
 - Facilitating qualification of avionics cooling ducts through airworthiness determination process, estimated completion Mar 19
- **Metal AM**
 - Facilitating qualification of structural component TF-34 Engine Pressure Regulator in CoCrMo through airworthiness determination process
 - Test plan established
- Developing technical orders, process orders, training & specifications
- Integrating AM and Condition Based Maintenance Plus (CBM+) with Digital Thread/Digital Twin



