

VRC Metal Systems COLD SPRAY

PROBLEM STATEMENT

- **Warfighters struggle to maximize readiness and combat capability with a stressed and/or contested supply chain;**
- High Pressure Cold Spray systems provide;
 - Repairs at a fraction of the cost in a fraction of the time of replacement parts
 - Applied across the breadth of mission and mission support systems
 - Aircraft, Missiles, Automotive and Logistics assets
 - POL/Energy infrastructure

BENEFITS

- Establish and sustain an organic network of repair capability independent of lagging logistics pipeline
- Capable of in garrison or expeditionary on-site repairs
- Minimize time lost cannibalizing parts and lost mission capability due to lags/gaps in supply chain
- Significant cost savings in your maintenance and sustainment budget
- Warfighters get time back to work on other priority mission issues

TECHNOLOGY SOLUTION

- Describe the capability
- VRC Metal Systems' cold spray technology is a patented mature repair and coating process
- The process is a procedure that accelerates powdered metal to a very high velocity and imbeds it into the substrate to create a mechanical and metallurgical bond at or near wrought strength
- The result allows for repair of a wide variety of metals including, but not limited to; steel, aluminum, titanium and various alloys.
- This process is widely used across DoD weapons systems and infrastructure with repairs at specified tolerances

GRAPHIC

