Western Technology Lights:
Portable Explosion Proof Lighting

NCMS Technology Showcase
Puget Sound Naval Shipyard

PROBLEM STATEMENT

Western Technologies portable certified Model 8910UVA light addresses the Air Force's critical need for safe, rapid, and efficient methods for conducting aircraft maintenance across various applications: for instance, confined hazardous locations such as aircraft fuel tanks. Dover AFB used our 8910UVA light to find a problematic leak in their C-17 fuel tank.

BENEFITS

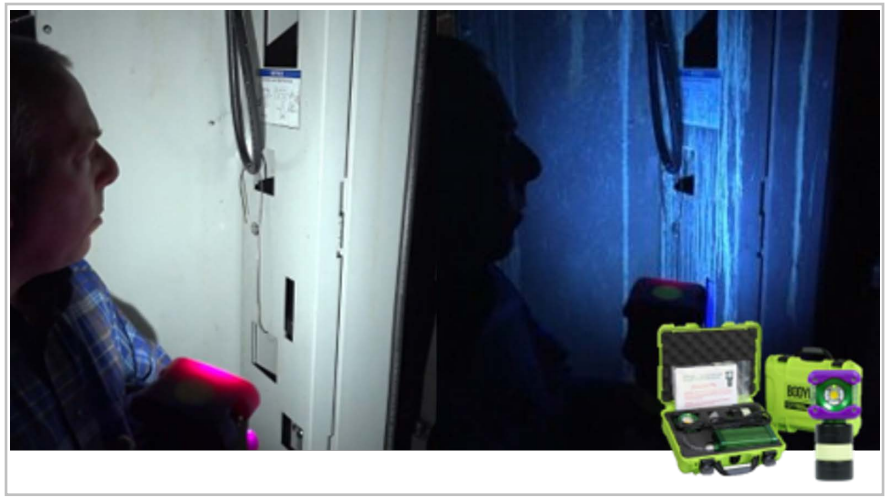
Efficiency in Remote Locations: Its portable and rechargeable nature allows for easy transport and use in remote or difficult-to-access areas, supporting rapid deployment and operational readiness without the need for extensive setup or external power sources.

Improved Detection Capabilities: The UVA light emits 365nm to optimize detection of a wide range of maintenance issues.

Reduced Maintenance Downtime: By facilitating quicker and more effective inspections, the Model 8910UVA helps minimize aircraft downtime, allowing for faster return to service and thus enhancing operational efficiency.

Operational Adaptability: The 8910UVA is designed as a flexible tool to be used for a multitude of maintenance and inspection demands.

TECHNOLOGY SOLUTION

Model 8910UVA light introduces a streamlined approach for the Air Force's NDI needs. Designed for both efficacy and safety, this innovative, portable, explosion-proof UVA light enhances the identification of fuels such as Jet A, diesel, gasoline, etc. Can also identify hydraulic fluid, oil leaks, wiring ID, FOD, corrosion, etc. Its portability allows for rapid deployment, minimizing aircraft ground time and maximizing maintenance efficiency. The integration of Model 8910UVA into Air Force procedures promises not only heightened readiness but also a reduction in the logistical demands typically associated with inspection tasks, aligning with the broader objective of increased airtime and operational effectiveness.

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