Technology Insertion vs. Logistics Efficiency Optimization

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Can we have both innovate capabilities and sustainment cost savings?

• Thesis: Innovative autonomous systems can help reduce manpower, perform logistics missions, and reduce logistics support requirements.

  – Address budget challenge

  – Fulfill need for agile Joint Force operations
Focus areas

• Autonomous warfighting

• Autonomous supply operations and flightline

• Infrastructure/consumable reduction with less manpower

• Medical cost avoidance and long term liability
LM Autonomy Manpower Study

- Significant Cost Implications
  - 6,392 Killed / 47,337 WIA
  - $200B+/year DoD Manpower
  - $1 Trillion Dollars Medical Liability
  - over the next 40 years
Way Ahead

• Develop accurate “As-Is” vs. “Future” force data

• Demonstrate the ROI of autonomy in relation to the full life cycle cost of manpower and operations

• Comparative Model Build Demonstrating
  – Cost
  – Decreased manpower
  – Increased lethality/capability
  – Casualty avoidance and reduction