PROBLEM STATEMENT

- Contamination causes 85% of optic network failures
- Inspection and cleaning of fiber optic components is required anytime the connection is opened – regardless of reason
- Manual tools are time consuming, prone to human error, lack archival documentation, and expose components to recontamination or damage, ultimately adversely impact warfighting readiness
- Space constraints for dense connectors in avionics and shipboard applications

BENEFITS

- Eliminates operator subjective judgment for more accurate results
- High throughput for fast turnaround time
- Reduces labor costs by:
  - Quicker inspection and cleaning (6x to 40x faster)
  - Eliminating need for highly skilled optical inspectors
  - Drastically reducing training requirements
- Prevents damage to installed equipment
- Provides documented and reproducible results

TECHNOLOGY SOLUTION

- Automated Visual Inspection Tool (AVIT™) – robotic fiber optic inspection tools with integrated cleaning and automated reporting

- High quality optics with automated processing for objective and repeatable Pass/Fail results based on IEC or user specific criteria using common software

- Contaminated termini automatically cleaned by integrated dry contact media in replaceable cartridge

GRAPHIC

AVIT-RH

AVIT-DT