



SKYPATH

ANALYTICS

CAPABILITY STATEMENT

Model-Based Reliability & Sustainment Systems Engineering for Aerospace & Defense

UEI: KCY3NXL8R6J5 | CAGE: 5AYW7

ABOUT

Skypath Analytics integrates engineering models, maintenance data, and operational reality into one coherent system—so aerospace organizations can make better decisions faster.

We specialize in model-based reliability analysis, digital sustainment integration, and manufacturing/MRO simulation for defense and commercial aerospace. Our work turns fragmented data into decision-grade insight.

We apply Model-Based Systems Engineering (MBSE) principles to sustainment and production environments—not just design.

From data to decision. From complexity to clarity.

CORE COMPETENCIES

Reliability & Maintainability Engineering/Analysis

- Reliability & Maintainability (R&M) analysis
- Reliability Program Plans (RPP)
- System Reliability Modeling & Simulation
- Fault Tree Analysis (FTA)
- Failure Mode, Effects and Criticality Analysis (FMECA)
- Reliability Centered Maintenance (RCM)
- Failure Reporting and Corrective Action Reporting (FRACAR)
- Maintenance Task Analysis (MTA)
- Reliability investigations & root cause analysis
- Supportability analysis

Maintenance, Repair & Overhaul Support Services

- MRO Simulation
- MRO process improvement
- MRO performance management

PAST PERFORMANCE

- U.S. Air Force | AFLCMC (Engineering & Sustainment)
- U.S. Air Force | AFSC (Depot & Supply Chain)
- Leidos
- Siemens Government Technologies, Inc.
- University of Dayton Research Institute (UDRI)

SAMPLE RECENT PROJECTS

- F-15 Generator Reliability Analysis
- KC-135 Landing Gear Improvement Program
- Corrosion Maintenance Data Analysis
- Teamcenter PLM Service Lifecycle Management

CONTRACT VEHICLES:

RO MAC IDIQ (AFLCMC/RO);
EWAAC IDIQ (AFLCMC/EBX);
ATSA-I IDIQ (AFLCMC/ROA);
SBIR PHASE II

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NAICS Codes: 518210 – Data Processing;
541511 – Custom Computer Programming

541330 - Engineering Services
541715 – R&D engineering