Reliability, Maintainability, Supportability

SOLUTIONS DELIVERED

- **Developed "Event Based Maintenance"**, a revolutionary maintenance concept using optimization techniques to minimize cost and maximize asset availability.

- **Implemented a comprehensive Reliability Program**, for a major Unmanned Aerial Vehicle OEM.

- **Performed a complete RCM analysis** for AH-1Z and UH-1Y aircraft. The analysis effort included Reliability Block Diagrams to predict logistics impact of maintenance changes and integration with the Logistics Support Analysis.

- **Developed a Modeling and Simulation process and tool** to predict logistics resource requirements utilizing inputs from RCM and maintenance task analysis.

- **Performed simultaneous RCM analyses** for several aircraft Type/Model/Series to validate RESET Programs.

- **Developed a Condition Based Maintenance program** for underground mining equipment that included RCM analysis and on-board systems to monitor equipment health.

- **Supported logistics management** of a Technology Development/Competitive Prototyping acquisition program for the development of a new ACAT I Laser/Missile Warning System for six Navy/Marine Corps Assault Platforms.

- **Participated in the development of internationally recognized standards** including JA1011, Evaluation Criteria for Reliability-Centered Maintenance (RCM) Processes and GEIA-STD-0007.

CONDITION-BASED MAINTENANCE & PROGNOSTICS SYSTEMS
- Architecture Development
- Diagnostics and Prognostics Algorithm Development
- Maintenance Management Systems Integration
- Systems Development to Collect & Analyze Equipment Health Data

FMEA / FMECA
- FMEA Software Development and Implementation
- New and In-Service Equipment
- RCM Integration and Maintenance Planning Processes
- Training and Consulting

LEVEL OF REPAIR ANALYSIS (LORA)
- Analysis
- Cost model & Algorithm Development
- Software Development

SUPPORTABILITY ANALYSIS

TRAINING SYSTEMS DEVELOPMENT

MAINTENANCE CONCEPT DEVELOPMENT
- Advanced Maintenance Schedule and Performance Optimization
- Event-Based Maintenance Concept
- Integrated Maintenance Concept
- Performance-Based Logistics Support

MODELING & SIMULATION

LIFE CYCLE COST ANALYSIS

RELIABILITY & MAINTAINABILITY ANALYSIS

RELIABILITY-CENTERED MAINTENANCE (RCM)
- Consulting, Mentoring & Facilitation
- Integration: CBM+, Logistics Data, Maintenance Management Systems
- Preventive Maintenance Plan Dev.
  - Aircraft
  - Data Centers
  - Ground Vehicles
  - Industrial & Manufacturing Equipment
  - Power Plants
- Software Development & Implementation

MAINTENANCE MANAGEMENT SYSTEM CONFIGURATION & INTEGRATION
- Analysis and Scheduling Tool Integration with Maintenance Management Systems
- Maintenance Scheduling Systems Development
- System Configuration

MAINTENANCE PLANNING
- Resource Requirements Prediction
- Support Resources Identification and Analysis
- Complex Systems or Fleets
- Tool and Software Development
- Military and Commercial Assets
- Training and Consulting

TECHNICAL DATA DEVELOPMENT
- CAD and Modeling Programs
- Design Change Documentation
- Level 3 Engineering Drawings
- Procedure Development for Troubleshooting, Maintenance and Repair

www.androsysinc.com • info@androsysinc.com • 904.637.2020

Corporate Headquarters: 615 Lynnhaven Parkway, Suite 104, Virginia Beach, VA 23452 • 330 Crossing Blvd., Orange Park, FL 32073
USA Offices: Crystal City, VA • Havelock, NC • Oklahoma City, OK • Patuxent River, MD • San Diego, CA