



Desired performance achieved



Artificial Intelligence Prognostic Steering™

Artificial Intelligence Prognostic Steering™ (AIPS) is a web-based software application that forecasts failures, prioritizes solutions, reduces maintenance costs and time providing increased asset availability. AIPS Machine Learning algorithms calculate variables such as likelihood of success, time to repair, cost, environmental impact, false alarm rates, and opportunistic maintenance events. Additional benefits include:

BENEFITS

- Reduce maintenance time providing increased asset availability
- Reduce unnecessary maintenance due to False Alarms (FA)
- Reduced Supply Lead time impact by forecasting WHAT is going to fail, WHERE it is going to fail, WHEN it is going to fail and WHY it is going to fail
- Reduce panel intrusion by recommending Opportunistic Maintenance Events (OME)

www.androsysinc.com/artificial-intelligence-prognostic-steering-aips



SOLUTIONS DELIVERED:

Historically, Fault Detection & Isolation has been dependent on in-depth maintainer training and experience as well as extensive engineering and technical data. This module is intended to provide an easy and accurate method for the maintenance manager to tailor, identify and optimize maintenance schedules and events. Maintainers can reduce maintenance times and costs.

A **US Military Unit** used Artificial Intelligence Prognostic Steering™ for six months as a proof of concept during point of performance maintenance events comparing it to traditional maintenance planning, scheduling and execution.

As a result of the analysis, 1st attempt failure resolution improved by 300%. Solution sets were reduced by 40%. 54% of Solution Sets were reduced to a single failure. Unnecessary maintenance due to False Alarms was reduced by 70%. Repair times were reduced by an average of 15.4%.

The **AIPS Module** assists in identifying WHAT is going to fail, WHEN it will fail, WHERE it will fail and WHY it will fail. Taking into account, environmental impacts, false alarm factors, cost, likelihood of success, and panel intrusion.

Artificial Intelligence Prognostic Steering™ Features

Provides a maintenance dashboard to allow for informed decision-making during Maintenance Planning, Scheduling and Execution.

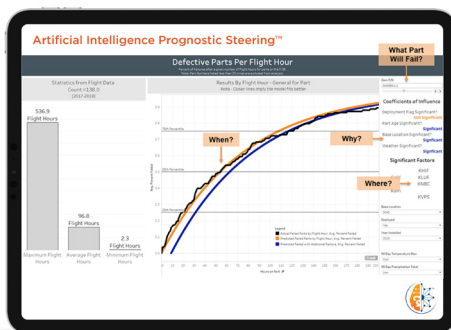
Configurable and scalable to any environment where point of performance repair data is collected.

Integratable with any existing Work Management System or capable of operating independently.

AIPS was developed with a wide variety of applications in mind - Air, Land & Sea, Defense, Transportation, Energy, Commercial applications.

Generate summary reports based on user-defined requirements for backend analysis of repair efforts.

Complies with current United States Government DID (Data Item Description).



The screenshot displays the 'Artificial Intelligence Prognostic Steering™' interface for 'Part Needs - KLUF - All Aircraft'. It shows a table with columns for 'Part Number', 'Quantity (Available)', 'Expected Lead Time', 'Average Priority', and 'Limits'. The table lists several part numbers and their corresponding data.

Part Number	Quantity (Available)	Expected Lead Time	Average Priority	Limits
ABC123	1 (1)	None	75.1%	16-1123
CDE234	2 (1)	10 days	46.3%	12-0012, 16-1124
EFG345	2 (0)	2 days	44.3%	12-0012, 16-1124
GHI456	1 (0)	20 days	40.1%	12-0004
JKL567	11 (1)	None	25.4%	12-0012, 16-1124
RMN678	4 (0)	None	22.6%	12-0012, 16-1124 12-0012, 16-1124
MNO789	1 (0)	2 days	21.3%	13-0023



AIPS will optimize your maintenance events reducing asset management costs and increasing asset availability.