



SPI Aviation Support Services - An ISO27001 Certified Company



SKY'S THE LIMIT

Your AI-First Partner for Aviation MRO Support

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 Chennai, India



INTRODUCTION | WHO WE ARE



Our Legacy

We are your trusted partners in delivering premium aviation support services to MRO facilities worldwide. With over 120+ years of cumulative experience, we specialize in commercial aero engines including CFM, Pratt & Whitney (PW), and Rolls-Royce (RR), ensuring unmatched safety and asset optimization.



Our Innovation

Headquartered in Chennai, India, our pioneering solutions — blended with AI expertise — are designed to shape the future of aviation maintenance. We help MROs thrive in an increasingly competitive, compliance-driven industry.



Our Commitment

Through a collaborative approach, we go beyond traditional service. We act as dedicated advocates for your success — driving efficiency, reliability, and innovation.

OUR PURPOSE

Our pioneering solutions contribute to unmatched safety and asset optimization, shaping the future of aviation maintenance.



Safety First

AI ensures compliance, traceability, and error prevention



Asset Optimization

Maximize lifecycle value and reduce downtime



Future-Ready

Enabling predictive and proactive aviation support



OUR CORE VALUES

The foundation of everything we do



Give

Giving back to grow our industry and community.



Respect

Fostering trust and collaboration in every relationship.



Excellence

Delivering consistent, high-quality aviation support.



Ethics

Upholding fairness, integrity, and transparency.



Nurture

Providing empathetic support in every interaction.

OUR CERTIFICATION

Committed to Global Standards in Information Security



ISO/IEC 27001:2022
(Information Security Management System)
Certificate No. IN240914003

CHALLENGES IMPACTING MRO EFFICIENCY

Operational Challenges

- ⌚ Poor Turnaround Times: Only 37% productive on-wing time
- 📋 Inaccurate Records: 5-20% aircraft asset value decline
- 🔧 Falling Customer Service: Delays in sharing findings & records
- 📦 Inefficient Inventory Management: Understocking or overstocking issues
- 💼 High Labor Costs: Increased process costs & onshore labour rates

Tech & Process Issues

- 🔧 Procurement Issues: Part delays up to 90 days; 3000 suspected unapproved parts
- 🔄 IT/ERP Integration Issues: Non-automated workflows
- 📊 Unproductive Sales Pipeline: Incomplete/outdated databases; inefficient follow-ups

💰 Increased Costs

📈 Working Capital Inefficiencies

👤 Customer Loss

OUR SERVICES



Records Management



Procurement Management



Engineering & Tech Pub



Sales Support



Customer Support



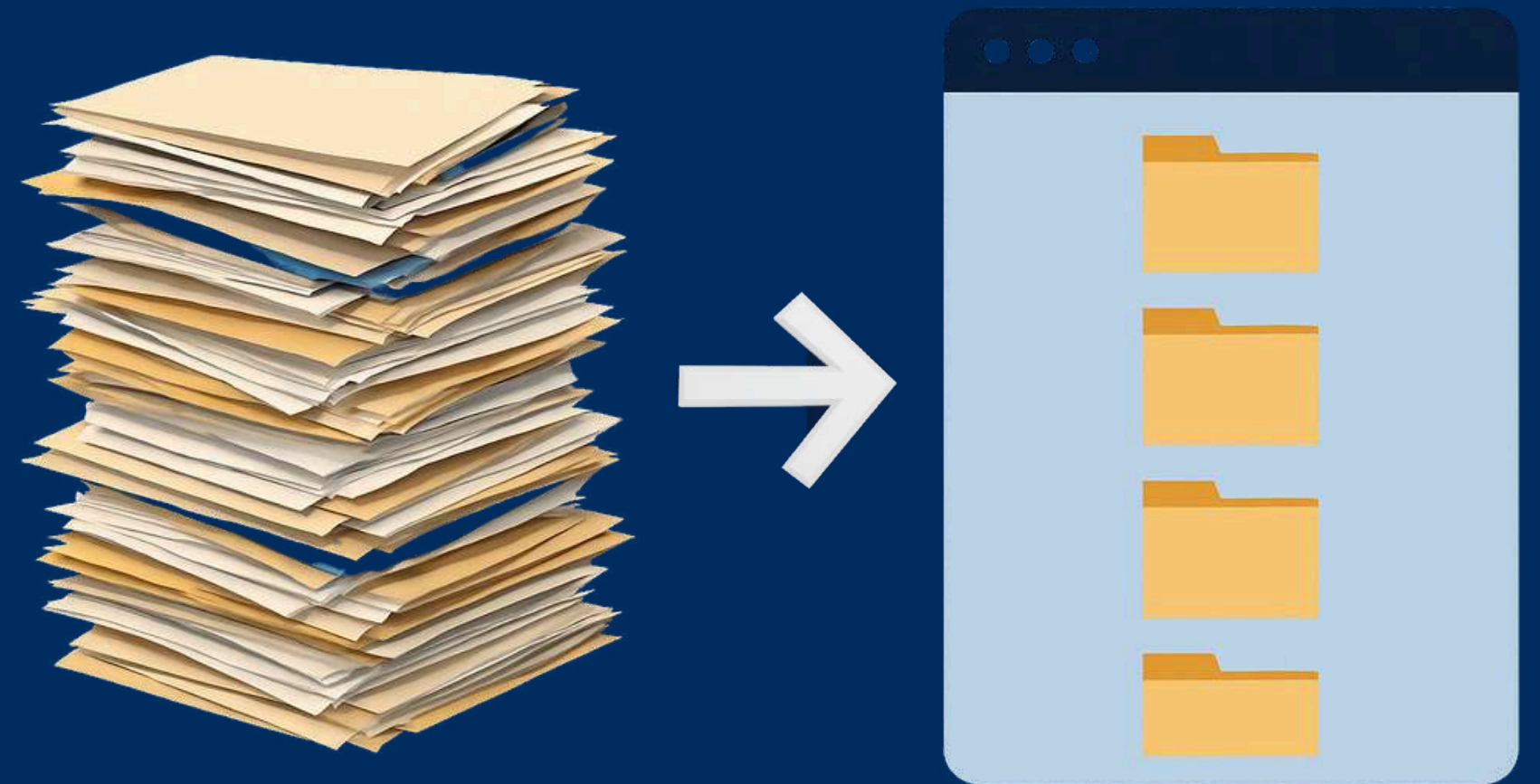
Account Support

THE RECORDS MANAGEMENT PROBLEM

Traditional Records Management is Costing MROs Time, Value & Compliance

Industry-Wide Challenges

- ✓ Incomplete BTB traceability
- ✓ Inconsistent record formats across vendors
- ✓ Compliance delays due to slow audits
- ✓ Manual workload + error-prone logging
- ✓ Lack of secure, structured digital storage



These gaps impact asset value, delay audits, and complicate aircraft transitions.

OUR AI-POWERED RECORDS MANAGEMENT SOLUTION

AI That Brings Order, Compliance, and Speed to Your Records



Secure Storage

Encrypted, 24/7 access
FAA, EASA, ISO 27001 compliant



Smart Folder Structure

33-folder standard layout
AI-driven auto-sorting



Audit Ready Docs

OILs, BTB, usage reports
Post-project support included
24x7 team ensures continuity



Real-Time Insights

Automated reporting & logs
Full lifecycle traceability



CASE STUDY: RECORDS MANAGEMENT

AI reduced our compliance prep time by 80% while ensuring zero audit flags.

Case Study

Objective

- Establish a secure, structured, and compliant records management system with complete BTB traceability.

Challenge

- Incomplete BTB records and inconsistent formats
- Manual processes delaying compliance and audits

Outcome

- 100% compliance via complete audit & segregation
- 33-folder structure streamlined classification
- BTB traceability validated for all LLPs
- 80% reduction in processing time
- Faster OIL closure and audit-ready asset packs



PROCUREMENT MANAGEMENT

Services Offered

- End-to-end procurement services for LLPs, non-LLPs, engines, consumables, and others.
- Procurement (inventory) management & analytics.

Case Study

Objective

Efficiently source required parts for engine repair.

Challenge

Ensure timely and cost-effective procurement of LLPs, non-LLPs, and consumables.

Outcome

Achieved 100% sourcing from OEMs, USMs, and others, meeting customer clauses at competitive rates and fast turnaround times.



ENGINEERING & TECH PUB

Services Offered

- Workscope generation support.
- Upkeep of maintenance manuals, SBs, and ADs.
- Process planning and analytics support.

Case Study

Objective

Support maintenance operations with precise documentation and planning.

Challenge

Generating complete work scopes and maintaining up-to-date manuals and directives.

Outcome

Provided work scope generation (including router) for engine. Ensured 100% upkeep of maintenance manuals, airworthiness directives (ADs) & service bulletins (SBs). Offered tailored process planning and analytics support.



CUSTOMER SUPPORT

Services Offered

- Manage client communication throughout engine repair.
- Complete report generation support (e.g., findings report, over-and-above report) for client repairs, overhaul, and maintenance.

Case Study

Objective

Act as the primary liaison between clients and the company throughout the engine repair process.

Challenges

Generating precise repair quotes, managing payments and ensuring timely follow-ups and coordinating the procurement of required parts.

Outcome

- Deliver detailed repair quotes and timely invoices.
- Ensure efficient payment follow-ups.
- Provide weekly updates on repair progress.
- Assist clients in sourcing essential parts, including LLPs, QEC kits, and consumables.



SALES SUPPORT

Services Offered

- Daily sales functions including planning and analysis.
- Complete back-end support to the sales team for pipeline and sales database management.

Case Study

Objective

Enhance sales efficiency and accuracy in records management.

Challenge

Managing end-to-end records review and maintaining an accurate sales pipeline.

Outcome

Delivered comprehensive records review, prepared shop visit reports, managed sales pipeline, and expanded the client base through targeted campaigns.



ACCOUNT SUPPORT

Services Offered

- Quotation creation to assist in the bidding process.
- Invoicing support for services delivered by MROs.

Case Study

Objective

Facilitate smooth financial operations within the MRO process.

Challenge

Creating accurate quotations and ensuring timely invoicing.

Outcome

Assisted in creating quotations and provided invoicing support for accurate billing and timely payments.

OUR AI-POWERED APPROACH

These outcomes are made possible through AI-driven initiatives such as automated audits, predictive procurement, and real-time data analytics — transforming core MRO support functions.



Operational Efficiency

- Faster turnaround on documentation and part sourcing
- Reduced downtime through streamlined MRO workflows



Compliance & Accuracy

- 100% audit-ready records with full BTB traceability
- Fewer errors in documentation and regulatory reports



Cost & Resource Optimization

- Reduced operational costs via automation
- Smarter forecasting to prevent inventory waste













Intelligent Client Engagement

- Real-time repair updates and alerts
- Transparent communication with centralized dashboards

MRO OPTIMIZATION USING AI

SPI's AI-led support cut our processing time in half and drastically improved documentation accuracy

Area	Before (Manual)	After (AI-Enhanced)	Outcome
 Record Processing	6 hrs, human sorting	Auto-folded in minutes	 80% time saved
 Predictive Maintenance	Reactive servicing after part failure	AI predicted part degradation	 25% faster TAT, longer part life
 BTB Compliance Review	Manual audits	AI-detected BTB gaps	 100% audit readiness
 RFQ Processing	Email-based	NLP-driven auto-RFQ	 Faster vendor turnaround
 Invoice Verification	Manual checks	Auto invoice validation	 60% fewer errors

These AI tools are embedded across our Records, Procurement, Engineering, Sales, Customer, and Account Support workflows.

HOW AI POWERS DATA-DRIVEN DECISIONS ACROSS MRO

AI helps SPI Aviation and its clients make faster, smarter decisions — not just automate tasks, but optimize them.



PROCUREMENT

Action

Select vendors and parts efficiently

AI Capability

Predictive RFQs based on part usage and TAT trends

Outcome

- ✓ Faster sourcing decisions
- ✓ Lower cost per part



INVENTORY MANAGEMENT

Action

Manage stock levels and avoid excess/shortage

AI Capability

Smart reordering and usage forecasting via historical data

Outcome

- ✓ Reduced inventory waste
- ✓ Improved availability planning



COMPLIANCE MANAGEMENT

Action

Ensure ongoing regulatory adherence

AI Capability

Real-time audit checklists and automated gap alerts

Outcome

- ✓ 100% audit-readiness
- ✓ Zero last-minute compliance risks

MEET SOME OF US!

other SPI team members are waiting to onboard you...



JEEVA ANAND

Director- Business Excellence

With 22 years in finance and tech, Jeeva has spearheaded SAP-enabled transformation across industries. Certified in SAP FICO and backed by an MBA in Finance, he brings strategic leadership and hands-on expertise in IT project delivery.



GOPALAKRISHNAN D

Materials Manager

With 12+ years in aviation maintenance and aftermarket, Gopal excels in sourcing, trading parts, and MRO contracts. Skilled in airline & OEM relations, strategic acquisitions, he holds a B.E. in Aeronautical Engineering and a Gold Medal in Mechanical Engineering.



P. RAGHUPATHY

Senior Power Plant Planning Engineer

A certified aircraft maintenance expert with 34 years of experience, Raghupathy handles engine shop visits, work scope planning, and diagnostics for major GE, PW, and CFM engines. Skilled in MRO oversight, contract negotiation, and ETOPS compliance.



RAMESH MJ

Technical Publication Manager

Ramesh excels in creating and reviewing technical manuals for engines like PW4000 & CFM56. Specializing in maintenance procedures and compliance, he has contributed to repair development and Component Maintenance Manuals for the A380.

CLIENT SPEAK



Global Engine Maintenance LLC

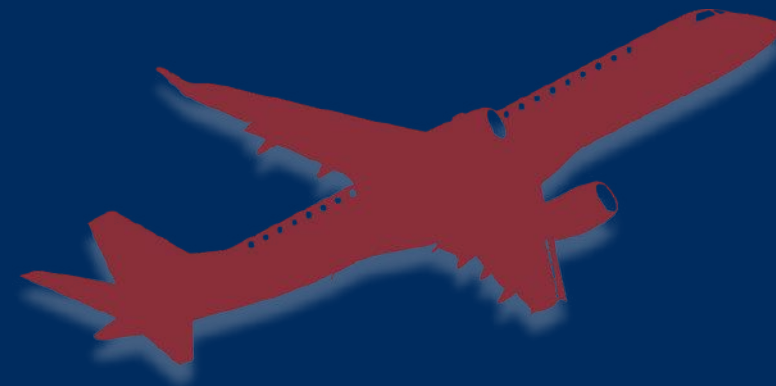
"SASS (SPI Aviation Support Services) has been a trusted ally in our growth journey. Our partnership has expanded to include support services in procurement, record-keeping and accounts support. The team at SASS have shown expert understanding of our requirements across functions and delivered meticulously on them over the years.

Outsourcing these critical support functions to SASS have, hence, allowed our team at GEM (Global Engine Maintenance) to focus on core engineering and other capabilities while knowing delivery on those support functions by SASS will always exceed our expectations. We look forward to further strengthen our engagements with SASS in the coming years"

Dominic R.
Vice Chairman and President, GEM



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THANK YOU

Let's discuss how SPI Aviation can help transform your MRO operations. Contact us today.



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