



AMS

AIRCRAFT MANAGEMENT SYSTEM

The Maintenance & Airworthiness Software Solution



MRO, CAMO, LOGISTICS, SALES & PURCHASE SOFTWARE SOLUTION

AMS French Software solution was designed by our aeronautical experts to improve and optimize your aircraft maintenance, engineering and logistics operations.

AIRCRAFT MANAGEMENT SYSTEM is continuously evolving to maintain its position as one of the best online software, it's perfectly tailored to the needs of Airlines, MRO, Shop repair & Brokers, providing a smart and interactive interface to control entirely their fleet in accordance with applicable aviation regulations.

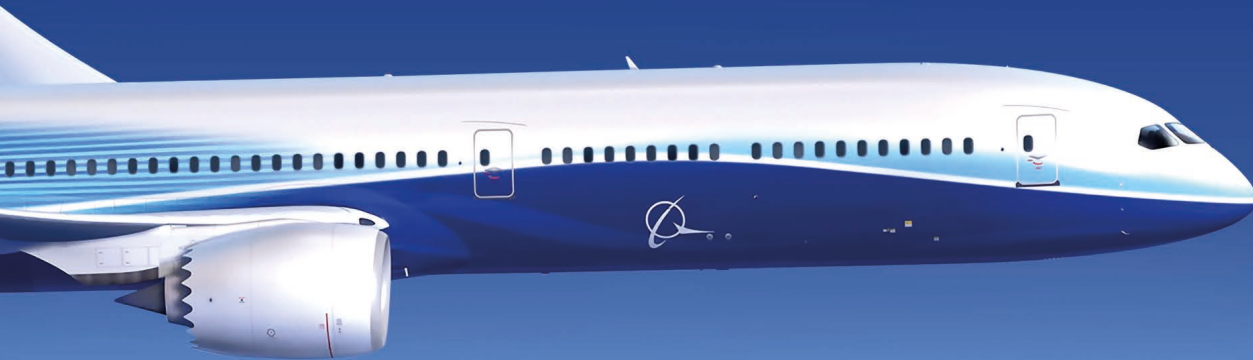
Maintenance & Airworthiness Management



To ensure customers satisfaction and to improve Safety & Quality management within AMS, AMC AVIATION has also developed ICARE SMS, The ultimate safety management system (SMS) tool, compliant with the ICAO SMS, FAA SMS framework & EASA future rules.










With the combination of AMS and ICARE SMS, regardless of the type of your aircraft and the size of your fleet, you will be able to manage different operations while optimizing your work methods, reducing costs and improving efficiency.

SMS & Quality Management



Our team's expertise and know-how are at your disposal, and we are ready to reply to all your queries & adapt our products to your specific needs & requirements.

BENEFITS AND FEATURES

-  **Aircraft, Engine and Components management:**
Complete management & follow-up of your fleet activities.
-  **Engineering & Airworthiness Management:**
Build and manage your maintenance program including all revisions. Keep your aircraft or component airworthy in accordance with local and international Authorities rules (ICAO, EASA, FAA...).
-  **Reliability & reports:**
Single module to generate fleet reliability Data and Statistic reports.
-  **Maintenance Management:**
Planning and execution of scheduled and unscheduled maintenance actions. Elaboration of your short or long-term Maintenance forecasting for Shop/Heavy/line maintenance task-cards and work-orders are generated automatically.
-  **Production control:**
Creation of customized work packages and monitoring of work progress in real time including men hours and provisioning follow-up. Generation of the release certificate (CRS, FAA, EASA Form 1) for Aircraft or components directly from AMS.
-  **Time Tracking:**
Optimized use of a bar code scanner to track execution of work-orders, work cards, tools usage & all employees' activities.
-  **Production plan & Cost analyzer:**
Using a single window display, you can analyze the cost for each work-Package or work-order such as the estimated, realized and invoiced men-hours and associated provisioning request, purchase order, quotation, customer's acceptance and dedicated invoice IN/OUT.
Complete work-package status can be issued with all relevant logistics and purchase information.
-  **Logistic Management:**
P/N Family management such as Expendables, Ingredient, Rotable, Tool, GSE, Service, Facilities/Administration. Parts effectivity, Alternate, Overhaul and Repair management, Transaction history. Management of the physical flow of all materials.
-  **Inventory Management:**
Manage and track your inventory, Multi Stock, Stocktaking, stock position, control shelf life, tool calibration, minimum quantity control; so you can minimize ordering, holding and storage costs of spare parts and components.

Your efficiency is our commitment



**Materials & Inventory:**

Part life time tracking & Inventory management, Create & Print Barcode Labels for Part Identification. Fully-integrated material control assistants such as Incoming goods reception & material issue to the workplace using bar code scan.

**Tools check In/Out:**

Manage maintenance tools IN/OUT activity, records who takes out which tool, and saves all tools return after a maintenance task.

**Transportation (AWB):**

Full packages management, fast tracking of all your incoming/out coming parcels via automatic AWB system.

**Powerful Contact Manager:**

Providers safety & approval process, Agreements & certifications follow-up, Providers parts & services, Price catalog & associated conditions. Dedicated Mark-up fee for Material & Workmanship per customer. Customer & provider General Accounting and Tax Zone management.

**Sales & Purchases Management:**

Management of financial flow connected to logistics operations such as Provisioning request (PR), Request For Quote (RFQ), Customer Quote (CQUO), Customer Order (POin), Purchase Order (PO), Evaluation & Repair Order (PO/R), invoices (INV in/out), Claim & Warranty.

**Stock Analysis:**

Determine how much stock you should hold to keep your inventory level as efficient as possible, while maintaining adequate safety stock.

**Cost Analysis and Forecast:**

Multi-currency management, record & control of labor costs, calculate stock valuation.

**Human resources:**

Create & Manage qualifications, training, authorizations and edit log experiences of the flight crew and the technical staff.

**Documentation Management:**

Integrated Documentation management, dispatch documentation updates & acknowledge receptions.

**Electronic Signature:**

No need to keep paper copies: employees can sign any document electronically.



SMS & Quality Assurance:

SMS & Quality Assurance management using ICare SMS toolkit; Icare includes the following four pillars : Safety Policy, Safety Risk Management (Safety reports, Hazard identification, Risk assessment & mitigation), Safety Assurance (Audits, Planning, Surveys, Investigations, Safety performance monitoring & measurement, continuous improvement of the SMS), Safety Promotion (Training, education & communication).



Financial Accounting Data Management:

Customized Financial Accounting Chart, General Financial Accounts system (Fully integrated, automated & customized). Data Collection, sort and export accordingly to operator's needs.



Statistic Reports / Excel Templates Export:

All reports can be exported in PDF and EXCEL format; you can even create your own customized reports.



Perfect Traceability:

With AMS every move leaves a trace, every action is recorded for historical proof and traceability. All documents scanned can be attached in AMS for later consultation.



Alert Management:

Internal email messages between users. Users can subscribe to airworthiness, maintenance, logistic, training, quality & SMS Alerts.



Toolkits:

Data Import/Export, SQL Queries, Integrated pdf & Bar code generator.



The server is in the cloud:

- ✓ Keep AMS in the cloud or host it locally, the decision is yours. AMS is accessible from anywhere.
- ✓ Manage your security by administrating user rights and groups, users only access AMS via dedicated login and password.
- ✓ An automatic backup 7/7 is available through AMS Manager.
- ✓ 100% Windows, IOS compatible. AMS adapts itself to your local environment and complies with all office software products.
- ✓ AMS license includes all (minor and major) upgrades, updates, maintenance, support, hotline (9am to 6pm) throughout the agreement period.
- ✓ The number of users, stock, parts and aircraft is unlimited.



Professional Services:

AMC AVIATION was founded in 2001 with the objective to deliver high-standard tailored-made services related to aviation activities and to provide various consulting services.

Our extensive knowledge of ICAO's recommendations and EASA's regulatory requirements allows us to customise our services to your specific needs with very competitive man-hour rates.



AMCAVIATION is able to:

- ✓ Transfer your data from previous Major systems into AMS.
- ✓ Synchronize your data between AMS and third party ERP such as SKYOPS, SAGE, etc.
- ✓ Control management of change and the adaptation of new procedures into your CAME or MOE.
- ✓ Provide full training support during a maximum of five days per department of your organization.
- ✓ Provide on-site support by AMC AVIATION experts during the installation period according to your needs.
- ✓ Provide Specific design of AMS «customized requirement» means that you can request a specific application for your company which is not applicable for any other customers.
- ✓ Also, provide full support for aircraft recovery, CAMO services and airworthiness reviews through its approved CAMO subsidiaries under references EASA FR.MG.0125 & FR.MG.0394.

MODULES

GENERAL

- ✓ Five menus to customize AMS according to your needs.
- ✓ Easy and efficient internal mail system that connects AMS users to each other.
- ✓ Automatic alert system to notify users of various actions (Airworthiness/ Logistics/ Purchase/ Stock/ Human Ressources).
- ✓ Direct link between each generated alert to its relevant modules.
- ✓ Live currency conversion rates for operations costs calculation.
- ✓ Labor cost management.
- ✓ User Login/rights control.
- ✓ Stock management and valuation.
- ✓ Customers & providers manager.



ACTIVITY

- ✓ Aircraft data sheet & specifications.
- ✓ Maintenance Check and Airworthiness modes.
- ✓ Aircraft routes, and management of technical logbooks.
- ✓ Quick recording of maintenance actions based on the PIREPS and MAREPS.
- ✓ Edition and monitoring of cabin logbooks and aircraft specifications.
- ✓ Generation of aircraft activity, monthly utilization rate reports.
- ✓ Export of statistics reports and figures (reliability, fuel consumption, gas emission etc...) to PDF and Excel.
- ✓ Atypical cycles calculation.



RELIABILITY

DISPATCH RELIABILITY & STATISTICS

- ✓ Technical delays per ATA.
- ✓ Flight cancellation per ATA.
- ✓ QRF/QRP/ Engine Shutdown.
- ✓ Aircraft utilization ratio.
- ✓ HIL (open/closed) per ATA.
- ✓ Engine & APU oil consumption.
- ✓ Hydraulic system consumption.
- ✓ Fuel consumption.
- ✓ Unscheduled removals.

MAINTENANCE RELIABILITY

- ✓ Maintenance Program reliability.
- ✓ Tasks execution analysis.
- ✓ Additional works analysis.
- ✓ Components reliability.
- ✓ P/N MTBR/MTBUR/MTBF analysis.
- ✓ Corrective maintenance reliability.
- ✓ WO numbers /ATA chapters analysis.
- ✓ PIREP/MAREP per ATA analysis.



Your efficiency is our commitment

MAINTENANCE CONTROL CENTER

PIREPS/MAREPS

Defect/Corrective actions are linked to the concerned flight and let you easily manage:

- ✓ Defect/Corrective actions.
- ✓ Aircraft technical situation with provisioning info.
- ✓ History across snags.
- ✓ Airport database with available suppliers.
- ✓ Select the airport where you want to perform the scheduled maintenance at a specific date.

QUICK SNAG

Allows you to manage HIL's open/close using drag and drop:

- ✓ A/C HIL (MEL/CDL) direct situation.
- ✓ Automatic HIL deadline.
- ✓ Calculation of commercial/operational impact.
- ✓ Certificate of Release to service issue.
- ✓ Manage maintenance tasks to be performed at out-stations.
- ✓ Keywords research tool.



MAINTENANCE WORKS

- ✓ Management of the launched, upcoming maintenance and unscheduled works.
- ✓ Color code is used to easily differentiate the works status and due dates.
- ✓ A powerful search filter to facilitate work orders retrieval.
- ✓ Optimized interface for quick creation and launch of work-orders.
- ✓ Multiple built-in reports to monitor and control works such as: production plan with provisioning info and task due list, maintenance cost history, Maintenance cost forecast, and more.
- ✓ Visual Planning.



Efficient. Stable & Secure

MAINTENANCE REQUIREMENTS

- ✓ Specific to the preventive and scheduled maintenance.
- ✓ Powerful filter designed to easily find specific maintenance tasks using various inputs.
- ✓ Creation and setting of Maintenance Requirement (MR) and MR amendments.
- ✓ Edition of maintenance tasks validation form.

MAINTENANCE & AIRWORTHINESS STATUS:

- ✓ Maintenance Program management (edition & revision).
- ✓ AD/ SB/ CPCP/ ALI/ CMR/ AWL/ ICA Status.
- ✓ Kardex HT/OCCM/LLP status.
- ✓ Specific component LLP status (ENGINE, LG, etc...).
- ✓ STC-MOD status.
- ✓ A/C configuration status.
- ✓ Structural defects report/ Mapping.
- ✓ Maintenance History (A/C & Engine logbook format).
- ✓ MFR MPD & A/C history upload.



MAINTENANCE MANAGEMENT

CREATE MAINTENANCE REQUIREMENTS

- ✓ Check block A, C, D & line (DY, WY) .
- ✓ Work package creation.
- ✓ A/C COMPONENT TREE (Kardex).
- ✓ MPD, TASK CARDS, AMM, CMM, ALI, CMR, AWL, ICA, CDCCL, AD, SB, STC, Modification, SDR.
- ✓ Create Customized Maintenance tasks.
- ✓ Creation of triggered tasks.
- ✓ Edition of maintenance tasks validation form.

MAINTENANCE REQUIREMENTS OPTIONS

- ✓ Multiple operations on same MR.
- ✓ Check level attribution.
- ✓ MR linking.
- ✓ Event triggering MR.
- ✓ Check Block creation (tasks grouping).
- ✓ MR Effectivity.
- ✓ Ref.Docs and revision.
- ✓ MR needed Toolings, & materials.
- ✓ MR access and labor.
- ✓ STC-MOD manager to initialise your A/C.



Field-proven & feature rich software

WORK PACKAGE

Each MR and WO can be included into work packages using drag and drop:

- ✓ Create A/C or components WP.
- ✓ Work package revisions management.
- ✓ Workscope preparation.
- ✓ Grouping and ordering items by task type.
- ✓ Routine & non routine items follow up.
- ✓ Additional works follow up.
- ✓ Deffered works management.
- ✓ Labor Man-hours.
- ✓ Logistics management.
- ✓ WP CRS, Equipment EASA , FAA forms edition.
- ✓ Check history.
- ✓ Work package compilation with all needed documents.
- ✓ Access opening and closing management.
- ✓ Manpower planning.
- ✓ Work package cost analyser.
- ✓ Component removal installation list.
- ✓ PDF & Excel export.



*Improve your performance ...
Simplify your work*

WORK ORDER

- ✓ Plan maintenance prior to WO limits.
- ✓ Defect/Corrective action.
- ✓ Request for provisioning.
- ✓ Equipement removal/ installation.
- ✓ Additional & Deffered works management.
- ✓ Generate Work orders automatically.
- ✓ Launch and close WO using Bar Code scanners.
- ✓ Speciality & Labor Man-hours tracking.
- ✓ Maintenance execution history tracking.
- ✓ Work orders attachements.
- ✓ Attach DFP to work orders for future reference.
- ✓ Launch WO to third party suppliers.
- ✓ Generate Quotes & Customer acceptance & invoices directly from WO.



PARTS CATALOG

- ✓ Manage rotables, tools, consumables, services, GSE.
- ✓ Creation and modification of PN references, P/N effectivity & alternates.
- ✓ Export and print: parts sales report, parts lifetime tracking & forecast report.
- ✓ Automatic and manual creation of provisioning requests.
- ✓ Manage superseded parts & shelf life definition.
- ✓ PN Maintenance and reliability definition.
- ✓ Manage PN prices & providers catalogue.
- ✓ Stock positions, minimum & alert quantity management.
- ✓ Freight and customs definition.
- ✓ Bin lable with bar code.
- ✓ P/N consumption history.



PART/BATCH

- ✓ Each component is tracked by Bar code labels.
- ✓ Detailed information about the part at reception.
- ✓ Customized component life tracking.
- ✓ Part ownership management.
- ✓ Current Service life & forecast report.
- ✓ Release certificate (EASA/FAA/else) attachement.
- ✓ Part History, Graphical documents.
- ✓ Associated MR (AD, SB, Hard Time, Shelf life...).
- ✓ Components Group and Assembly creation.
- ✓ Stocktaking manager to easily perform stocktaking exercises.
- ✓ Tools and calibration management.
- ✓ Parts valuation management.
- ✓ Scrap management.



Ready for use after only five days of training

LOGISTICS MANAGEMENT

- ✓ Manage and control provisioning & logistics in a swift and easy way.
- ✓ Items are colored for more intuitive interaction.
- ✓ Management of provisioning requests.
- ✓ Real-time stock visual indicators.
- ✓ Management of the stock.
- ✓ Reception and admission of material.
- ✓ Material output.
- ✓ Equipment pool reception.
- ✓ Core/Parts restitution.
- ✓ Scrap management.
- ✓ Assignment management.
- ✓ Manage Parts transfer between stations.
- ✓ Customers Requisitions & restitution management (core).

TRANSPORTATION MANAGER INCLUDING

- ✓ Transportation request and transportation slip edition.
- ✓ Porforma invoice.
- ✓ Transportation invoices.
- ✓ Integrated transporter tracking.
- ✓ Automatic calculation of Customs charges.

Supports you over the lifecycle of your component from installation through life limit

SALES & PURCHASES MANAGEMENT

- ✓ Powerful RFQ manager.
- ✓ Send RFQ to suppliers directly from AMS in HTML format.
- ✓ Receive suppliers answers directly in AMS.
- ✓ Sales & Purchase orders.
- ✓ Parts purchase.
- ✓ Parts loan.
- ✓ Services purchase.
- ✓ EX Plus costs / EX flat (core deposit).
- ✓ PO/Repair manager.
- ✓ Repair evaluation.
- ✓ Repair proposal.
- ✓ Repair order.
- ✓ Customer quotations & acceptance management.
- ✓ Dedicated & automated customer markup fee for Material & Manpower.
- ✓ Commercial invoices management (IN/OUT).
- ✓ Customers, providers, and parts automated general accounting management
- ✓ Payment control (IN/OUT).
- ✓ Claims and warranty management.



STRENGTHS

ADAPTIVE

Expandable database which adapt easily to the clients' internal procedures and needs.
Unrestricted aircrafts capacity and unlimited users to server connections.

PRODUCTIVE

The software interface is made to save the clients' time and to enhance productivity.
Windows based, the intuitive user interface includes real-time links across all modules.
Intensive use of the mouse, boxes' selection, drag and drop, etc...
Maintenance checks live follow-up through the use of ID codes.

SAFE

Autosave, export and print functions for the transactional database (each day, on a 7 days cycle).
Systematic confirmation and nominative registration of each user actions.

RULES COMPLIANT

AMS is designed in total compliance with the main aviation rules and regulation applied to maintenance and airworthiness management procedures (e.g. EASA part M sub-part G, PART 145, PART 66).

EFFICIENT

AMS is a 100% native source code, it do not depend on third-party software.
The database engine, and report builder are integrated.
For the end user, this is the best warranty for a high integrity level and for overall efficiency.

COST EFFECTIVE

AMS MAINTENANCE PACK assists you to handle your overall maintenance costs and provide you the tools to reduce them.
The AMS ownership cost compared to its benefits, result in a highly cost effective solution.

TOOL OF SYNERGY

Each part of technical department works in synergy with the others using simultaneously the AMS main modules.
Archive and share of different documents and graphs.

HIGH MAINTAINABILITY

The software maintenance and support are made online; there is no need of onsite assistance.
The software and database upgrade is automatic.
AMS provides new releases every two months.




BOOK YOUR PRESENTATION NOW
AND START IMAGINING YOUR DAY-TO-DAY
OPERATIONS WITH AMS...



YOUR EFFICIENCY... ...IS OUR COMMITMENT

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