For more information:
see you on services.airbus.com

or contact us at:
marketing.services@airbus.com
Dear MRO Customer,

MRO Services by Airbus has been created in order to deliver world-class and fully integrated aviation services dedicated to you - the Maintenance, Repair and Overhaul organisations.

Our ambition is to build upon Airbus’ pioneering spirit and propose innovative solutions to a highly specialised MRO market. We have listened to your requests and ideas so that we can provide you with the best solutions to meet your specific business requirements today and tomorrow. We will be behind you wherever the aircraft may be in its life cycle.

With over 10 000 Airbus aircraft delivered we have the shared goal of ensuring that these aircraft are maintained and operated successfully, cost effectively and in the safest manner for our mutual customers all over the globe.

Our team of enthusiastic professionals is fully dedicated to the delivery of these services.

Feel free to contact us anytime – we are here to support you.

Rémi Maillard
Head of Services
by Airbus

Olaf Scholz
Head of Customer Support Leasing & MROs
Services for MROs

#1 Structure P.05
#2 Component P.13
#3 Cabin P.21
#4 Upgrades P.29
#5 Digital Solutions P.35
#6 Training P.43
#7 Expertise & consulting P.53
Benefits

Reduce your Aircraft inspection time from 2+ hours to 10 minutes throughout an autonomous flying drone whatever your staff qualification level

Reference Standards

Your reference standards

Periodic checking
- Draft piece Control
- Final piece Control
- Physico-chemical analysis and cross section µ
- Validation report AITM6-0012
- Yearly revalidation

Benefits

Cost effective and to the requirements

SEMS (Drone)

Your flying inspector

Ground Support Equipment (GSE) based on Autonomous Drone technology to perform Aircraft upper part inspections

Benefits

Save time and cost in difficult bottlenecks situations during your peaks.

InService inspection

Your worldwide inspections experts

Use our staff anywhere anytime to support your inspections part 145. They are in-service and qualified aerospace specialists

Benefits

Externalise part of non-core activities
<table>
<thead>
<tr>
<th>Benefits</th>
<th>Non-Destructive Testing training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benefits</td>
<td>Get the best training to your staff, near to them</td>
</tr>
<tr>
<td></td>
<td><strong>The aerospace non-destructive testing school</strong></td>
</tr>
<tr>
<td></td>
<td>Come to our non-destructive testing training academies around the world: France, UK, Germany, Spain, Canada, Mexico, Singapore and more to come. Be trained by recognized aerospace experts and on real aircraft parts.</td>
</tr>
</tbody>
</table>
| | **ThicknesSTool**  
**The inspection time killer**  
Divide post-corrosion blend-out thickness measurement time by 20! No need to go through the tedious 10 by 10 grid of measurements of your surface thickness. Thanks to its ultrasonic phased-array technology, the tool will directly get all the data thanks to 32 sensors instead of one. Roll once over the surface and get your excel table and word report automatically. This award-winner has proven its benefits within many MROs worldwide already. |
| A220 A320 A330 A340 A350 A380 BOEING |
| Benefits | Inspectioon time divided by 20 |
| Benefits | **ScratchView & LineView**  
**The most cost-effective way to accurately measure a scratch or gap**  
Swift and very precise measure of a scratch or a gap between panels. Within a few seconds get an exportable snapshot of the scratch size thanks to this tool combining microscope and laser technology |
| | **CladTool**  
**Go-NoGo tools for Clad measurement by technicians**  
Allow your technician to confirm that there is enough Clad left after impact out without having to call your experts. |
| | **MoiréView**  
**The most immediate way to size dents**  
Simple and quick way to measure the width and depth of a dent. You just have to position the tool in front of the dent, and using the "moiré" effect. You will be able to measure its full size. |
| | **Smart Non-Destructive Testing Tools**  
**The aerospace NDT swiss knife boosting efficiency**  
The aerospace experts tools for your NDT staff. They are combining the tools that are daily requested by the NDT team. Instead of using several tools they are all integrated in one. Conductivity, Eddy Current, Ultrasounds, Resonance... |
| A220 A320 A330 A340 A350 A380 BOEING |
STRUCTURE

Benefits

Top experts to secure your NDT operations

Our top expertise at your service

Every organization performing non-destructive testing need a “responsible Level 3” validating procedures, trainings and audits. You can outsource this expertise to our top Level 3 in order to benefit from their experience across the industry and their external eye developed after decades on the field.

Major & complex repair

You are facing an unexpected and complex situation with regards to structural repairs following an scheduled or unscheduled event? You are looking for someone able to recover the situation for you and to get the job done on your aircraft? Please liaise with Airbus Embodiment and Repair organisation to solve the situation in a timely manner.

Quickly calibrate your tools to the aerospace standards

Periodic Check (tools calibration)

The speed and flexibility your periodic calibrations need

- UT mono-element Equipment
  (Periodic Checking according EN 12668-1 + AITM6-0013 Issue 6)
- ET mono-element Equipment
  (Periodic checking according EN 12668-1 + AITM6-0013 Issue 6)
- UT + UPTA Equipment
  (Periodic checking according EN 18563-1 + AITM6-0016 Issue 5)
- UT + UPTA SMART TOOL Equipment
  (Periodic checking according EN 18563-1 + AITM6-0016 Issue 5)
- RT Equipment
- UT Translators
  (Periodic checking according AITM6-0013 & AITM6-0016 Method 2)
- UTPA Translators ≤ 64 elements
  (Periodic Checking AITM6-0013 & AITM6-0016 Method 2)
- UTPA Translators > 64 elements
  (Periodic Checking according AITM6-0013 & AITM6-0016 Method 2)
- Reference Standard (Periodic checking)
- Draft piece Control:
  - Final piece Control
  - Physico-chemical analysis and cross section μ
  - Validation report AITM6-0012
  - Yearly revalidation
Component #2
Component sales

Buy components you want when you need it!

- Line Replaceable Unit (LRU)
- Line Maintenance Part (LMP)
- LRU and LMP

Benefits

- High guaranteed availability of material on-site
- Reduced stock levels and inventory costs
- No transportation or order follow-up expenses
- Lower administration costs
- A nominated AMI Manager as your dedicated single focal point focuses on performance management, daily operations, continuous follow-up, part scope configuration and inventory planning

Airbus Managed Inventory

Your shortcut to supply chain integration

Airbus Managed Inventory (AMI) service offers collaborative parts planning and automated replenishment (of a configurable scope) of high usage non-repairable parts, such as consumables, expendables and standard parts.

A320 A330 A340 A350 A380
COMPONENT

Benefits

- Competitive Prices
- Global Airbus ordering volume
- Stock Availability
- More than 10,000 active part numbers published on Airbus Spares
- Order Flexibility
- Worldwide sourcing including rare parts, 24/7/365
- Customised Price Agreements
- Stable prices without contractual binding
- Airbus Services Synergies
- Option to integrate into Airbus Managed Inventory (AMI) and Integrated Material Services (IMS)

CES parts sales

See the smaller picture

Aircraft CES parts sales

Materials identified as raw material, composites and chemicals are indicated as Consumables & Expendables and are handled within the Airbus standard parts team. These materials cover, for example, metal extrusions and profiles, plastic extrusions, wires, cables and protection, seals and strips, insulation material, tapes, paints, adhesives and lubricants, switches and hoses.

Engine CES parts sales

The Engine CES are parts of an aircraft engine or engine accessory parts. The product may only be certified by the engine manufacturer. We offer spares support for engine consumables and expendables for both turbo prop and jet engine configurations.

A320 A330 A340 A350 A380 

Lease Service Solution

Airbus provides you with a special tailored Lease Service Solution (LSS) for structural parts to support your major maintenance tasks. An onside available part mitigates risks of non-part availability, extended grounding times in case of major findings and unexpected high costs.

A320 A330 A340 A350 A380

Benefits

- No upfront investment required
- Highest technical standards
- Simple use and return process
- Large pool available

Parts repair, exchange, lease

Getting the most out of the assets

Airbus Repair Services:
- High quality of repair through OEM expertise
- All types of damages, fleet-wide engineering and design knowledge
- Advanced support prior and during repair (exchange or lease option)
- Worldwide tool repair and re-calibration capabilities

Airbus Exchange and Lease Services:
- Worldwide parts storage network (more than 11,000 different units available)
- 24/7 availability via AOG Desk
- Fast and qualified responses
- Latest technical standard

A320 A330 A340 A350 A380

Benefits

- 30 repair stations and partners with more than 30,000 parts on our capability list

Modification kits sales

Part packages for your modifications

A predefined selection of single parts defined to perform a modification as specified in a Service Bulletin.

A320 A330 A340 A350 A380 

Parts sales

New parts

Parts related to the body of aircraft and structure parts.

Used and surplus parts

Airbus is offering certified used and surplus material. In order to best support the operators in reducing inventory, maintenance costs and support AOG assistance, our portfolio includes both Airbus structural parts and Original Equipment Manufacturer (OEM) components in a certified serviceable condition.

A320 A330 A340 A350 A380

Benefits

- Excellent fit
- High reliability and durability
- High service level and residual value

Parts sales

New parts

Parts related to the body of aircraft and structure parts.

Used and surplus parts

Airbus is offering certified used and surplus material. In order to best support the operators in reducing inventory, maintenance costs and support AOG assistance, our portfolio includes both Airbus structural parts and Original Equipment Manufacturer (OEM) components in a certified serviceable condition.

A320 A330 A340 A350 A380
Tool lease and repair

Manage unscheduled maintenance with the right task at the first time

Airbus offers repair and lease services for Airbus and supplier tools.

Tool repair

We offer a full range of repair capabilities for more than 1200 Airbus and supplier tools with a quick turnaround time (TAT) ensuring your in-time tool availability and consequently a return to operation of your aircraft as soon as possible.

Tool lease

Airbus offers an extensive selection of tools with more than 5500 Part Numbers worth about 100 million USD, which are available both for Airbus and non-Airbus fleet. Tool Lease Service also regularly invests in new stock to support current operators and the growing fleet such as A350, A320neo and A330neo.

Tools Lease Service Solution (LSS)

Inspections for a Service Bulletin (SB) embodiment regularly take more than 200 days. To cope with such long-term maintenance tasks and also with the uncertainty of some additional checks, it is more cost-effective and convenient to directly lease from a wide pool of parts and tools.

Tools packages and sales

Your support all along the aircraft lifecycle

Equipment required on ground to support the operation and maintenance of the aircraft and its equipment.

Whether it supports an Entry-Into-Service, a scheduled check or a maintenance event, Airbus Tool Services supports airlines’ maintenance activities by providing operators and MROs with a flexible and reliable service:

- Tool acquisition: Airbus Proprietary tools or OEM tools
- Tool packages
- Tool lease
- Tool repair
- Tools & GSE seminar

Provisioning solutions

For your entry into service, Airbus offers an optimised initial provisioning package covering all material to start your operation.

Benefits

- Highest Quality
- Tools from approved sources only
- Airbus inspection and certification of each tool
- Package content based on your maintenance set-up
- Attractive package deals
- Focal point for planning
- Reduced workload and transport cost

Airbus technical expertise and experience on provisioning
Cabin

#3 Cabin
CABIN

S-EEM - Smart Emergency Equipment Manager

The Airbus solution for fast digital cabin inspection

S-EEM is a turnkey solution covering all emergency equipment. It simplifies the process of checking serviceability, security, presence and expiry date by location of each item of safety equipment in the aircraft: thanks to S-EEM, you simply need to walk through the aircraft with the RFID handheld reader – no more visual check and associated paper and administrative work.

Benefits

- Turnkey solution
- Reduce aircraft ground time for presence inspection and expiry date checks (up to 99% time saving), Fast and simple digital cabin inspection (less than 5mn for A350XWB cabin)
- Decrease aircraft maintenance cost
- Enhance the dispatch reliability of the aircraft
- Improve working conditions for inspection and maintenance personnel
- Airbus solution Fleet agnostic, linefit & retrofit
CABIN

Benefits

- Enhanced look and feel
- Reduced weight
- Higher reliability and life leading to less maintenance
- Lower power consumption
- Lighter working party

LED Lighting (SPECTRUM)

Experience the LED moodlighting
Offer your passengers a higher level of comfort: enhance your cabin with the colors of your choice (full RGBW palette) thanks to the patented “Virtual Light Mode” system (6 pre-defined scenarii available).
Lower your costs through this simple and reliable solution: installation of SPECTRUM has no impact on wirings, connectors or FAP thanks to its "Plug & Play" system.
A320 A330 A340

Tailored layout reconfiguration

A full reconfiguration of airlines’ aircraft
Airbus Upgrade Services will focus on your individual needs, from a single cabin modification to a full reconfiguration with or without any cabin monument changes.
We define your solutions including optimised layout, colour trim & finish.
We deliver drawings, modifications, component lists, Service Bulletins and certification documents. As an option we will also deliver the required parts and kits.
A320 A330 A340 A350 A380

Smart Cabin Reconfiguration

85% of flights have available seats! That is why Airbus offers the A320 flexible cabin from 174 to 180 pax.
How?
- 1st row moved closed to the bulkhead
- 4 rows from 29in to 33in pitch
- Seats can be re-pitched manually in 2 minutes
A320

Camera-based Video Surveillance System (CVMS)

Enhance prevention onboard
The Camera-based Video Surveillance System (CVMS) is a stand-alone system available in retrofit for both cabin and cargo-hold, and suitable for all Airbus aircraft, from A320 to A380.
The installation of this upgradable solution based on the latest technologies, is tailored to airline’s aircraft fleet and requirements.
A320 A330 A340 A350 A380

Watchdog

Prevent any Inadvertent Slide Deployment
Watchdog provides airlines with the opportunity to prevent any inadvertent Slide Deployment to occur:
- Active on ground only when A/C is stopped
- Active in SLIDE ARMED position only
- Enhancement of existing visual and acoustic warning
- Applicable on door 1 and 4 (L/R) only
A320

Benefits

- Plug and Play installation for an easy integration and retrofit
- Aircraft interface remains unchanged
- Existing position and lining cut-out remains unchanged
- Can be installed during night stop
CABIN

Off Seat Power Supply

**Power your passengers, enhance your aircraft**

Upgrade your Airbus single aisle fleet with a stand-alone & cost-efficient Off Seat Power Supply system (retrofit only solution).

**A320**

"Classic Cabin"

**Central Ceiling Stowage**

**The ceiling stowage designed for your cabin**

This additional storage space is a cost-efficient enabler to optimise cabin and passenger comfort on the A320 family "Classic Cabin". The Central Ceiling Stowage has been designed for the best cabin’s visual harmony, and to ease crew operations thanks to its ergonomic.

**A320**
Upgrades

#4
UPGRADES

LIVERY

Paint your aircraft
The Airbus Livery Service provide a complete range of “a-la-carte” work-package (Design, SB and/or Livery kit) which will allow any MRO’s paint shop to reproduce, if required, the exact same aircraft liveries to those performed by Airbus during the production line. Also, the way the Airbus Livery kits are built allow to reduce by 20% of the overall grounding time usually required to paint an Aircraft.

Benefits
- OEM highest quality
- Modular Service
- Repetitiveness
- Reactivity
- Accurate design, easy to apply due to unique 3D modelling device
- Reduced paint TAT due to enhanced toolkit

LIVERY

A320  A330  A340  A350  A380

FUEL TANK INERTING SYSTEM

The FAA and the CAAC require operators and manufacturers to incorporate a Flammability Reduction Means (FRM) or ignition mitigation means on fuel tanks having a flammability exposure exceeding certain thresholds. These amendments affect new aircraft types, new aircraft in production and in-service aircraft produced after January 1st.

Benefits
- Meet Air Traffic Management regulations
- Enable efficient Flight operations

FUEL TANK INERTING SYSTEM

A320  A330  A340

ADS-B out

ADS-B out provides an automated means of communication between aircraft and the ground meeting current and future world-wide mandates.

Benefits
- Meet Air Traffic Management regulations
- Enable efficient Flight operations

ADS-B out

A320  A330  A340  A350  A380
UPGRADES

Extended Service Goal
Extended Service Goal upgrades can allow Airbus operators to increase the operational lifetime of their aircraft in terms of flight hours and flight cycles. This can bring up to 10 years or more of additional revenue service above the initial design objectives.

A320  A330  A340

Benefits
Fuel Savings during taxi

Single Engine Taxi without APU
The Single Engine Taxi Without APU solution "SETWA" is designed specifically to allow our A320 family customers to taxi on a single engine without the APU (Auxiliary Power Unit).

A320

Benefits
Fuel Savings during descent

Descent Profile Optimisation
Descent Profile Optimization (DPO) is a fuel saving initiative which updates the Flight Management System (FMS) performance database by reducing margins in descent models.

A320  A330

Head Up Display
HUD is a transparent display with the image focused to infinity to benefit the cockpit crew. It superimposes aircraft trajectory information on the external world.

A320  A330  A350  A380

Benefits
Improves situational Awareness and approach stability
Improves accuracy when hand flying
Improves accuracy of touchdown point
Reduces minima at take off and landings as per local authorities procedures
Digital Solutions
**DIGITAL SOLUTIONS**

**Airbus Real Time Health Monitoring**

**Aircraft manufacturer real-time expertise to improve operators’ operational performance**

In an increasingly competitive environment, AIRTHM allows optimised maintenance and real-time troubleshooting to maximise operator’s aircraft availability. AIRTHM is an advanced Airbus service 24/7/365 through which A380 and A350 operators can receive advice on optimised maintenance and real-time troubleshooting actions empowering your Maintenance Control Center personnel to make right and timely decisions (Pre-Departure Check & Flight Watching).

**Benefits**
- Enhanced aircraft operational and dispatch reliability
- Minimised aircraft grounding time
- Reduced operational costs and support AOG situation problem solving
- Anticipated scheduled maintenance
DIGITAL SOLUTIONS

Benefits

- Instant access to the latest published technical documentation (Airbus or in-house)
- Faster documentation consulting leading to turn around time reduction
- Automatic up to date revisions
- Paperless high contributor and documentation cost reduction

e-Doc Browser

All your aircraft maintenance documentation in the same app

This service is a cloud based documentation browser available on all popular mobile platforms enabling manual display for maintenance (Aircraft Maintenance Manual, Illustrated Part Catalogue, Trouble Shooting Manual,Wirings, Schematics, Electrical Practices Manual, Structural Repair Manual, Minimum Equipment List). e-Doc browser provides both online and offline access to the maintenance documentation through the e-Doc Browser Client Application and is applicable to Airbus and Boeing fleets.

A320 A330 A340 A350 A380 BOEING

Job Card Publisher

A simplified and cost-effective job card production

Job Card Publisher is Airbus software which allows the production of the company’s maintenance job cards by:
- Retrieving the documentary elements from the Company maintenance documentation available in Standard Generalised Mark Up Language (SGML) and Extensible Markup Language (XMI)
- Assembling the documentary elements and the corresponding production data
- Formatting and printing the job card

A320 A330 A340 A350 A380 BOEING

Benefits

- Optimise Turnaround Time thanks to anticipation of corrective and preventive actions
- Reduce delays and cancellations via a real-time awareness of ongoing maintenance activities
- Improve troubleshooting effectiveness with just the right information
- Improve productivity using full mobile access

Maintenance Mobility

Ease the daily work of your mechanics with Maintenance Mobility

Maintenance Mobility provides your maintenance staff with up-to-date critical information, using dedicated dashboards and then work packages and documentation to optimise line and base maintenance activities using a real time collaborative IT tool and remote line office. Maintenance Mobility is provided to mechanics and supervisors who have limited time and no visibility on the aircraft status during the Turnaround Time.

A320 A330 A340 A350 A380 BOEING

Benefits

- Simplify & customise the job cards production to save time
- Improve the aircraft availability
- Full integration into your process and Maintenance Information System(s) including layout customisation

Repair Manager

Your structural repair software to demonstrate compliance of all repairs to fatigue critical structure

Repair Manager is an innovative online solution to assist line maintenance and engineering personnel in assessing and reporting structural damage for all Airbus civil fleets. This solution is based on an electronic system to author and keep record of all structural damages and repairs reports using 3D-simplified model to ease internal and external damage location.

A320 A330 A340 A350 A380 BOEING

Benefits

- Reduce lead-times of damage assessment, reporting and decision-making
- 3D simplified model synchronized with Structure Repair Manual updates
- Improved aircraft availability and maximized asset residual value
- Full records of repairs and allowable damages at the same place

*covered with limitation

*covered with limitation
DIGITAL SOLUTIONS

Benefits
- Shorter resolution lead-time
- Improved aircraft availability
- Maximised aircraft residual value

Airpl@n
The comprehensive suite of services designed to support maintenance programme & planning activities

Airpl@n is the comprehensive suite of services designed to support operators in scheduled maintenance activities. Airpl@n offers cover the following domains:
- Maintenance programme
- Maintenance planning
- Maintenance task
- Work package production
- Extensive customised studies for the optimisation of maintenance programme and planning as well as tailored support and seminars on-site

ADOC Web Maintenance
Improve your digital documentation management

ADOC Web Maintenance is an on-line content management tool designed to customise electronic documentation available in SGML format. ADOC Web Maintenance allows to view, edit, revise and publish the following Maintenance and Engineering documentation delivered in SGML format (Airbus and other Aircraft Manufacturer M&E data, Airline internal documentation, etc.). This tool includes the parametrisation (Document Type Definitions, format and style sheets) specific to the Airbus M&E data and the airline internal documentation.

A320 A330 A340 A350 A380 BOEING

Benefits
- Reduce your documentation update lead-time by 80%
- Improve teams efficiency and manage multi fleet documentation at the same place
- Avoid infrastructure costs by using web-based tool
- Gain in flexibility thanks to open architecture and use of modules with interfacing to your MIS

AIRMAN-Web
The on-line solution for real time aircraft health monitoring

AIRMAN-Web is a tool designed to optimise the management of unscheduled maintenance events. This service is a web-based tool made of three modules (Health Monitoring Modules: Foundation, Advanced and Interface) developed to optimise airlines’ dispatch reliability, reduce maintenance costs and implement predictive maintenance actions.

A320 A330 A340 A350 A380

Benefits
- On-line solution through AirbusWorld
- No IT infrastructure to invest in
- Airline processes oriented
- Get access to aircraft data in real-time
- Efficiently manage unscheduled maintenance
- Better reactivity and decision-making
- Reduce flight disruptions
- Increase operational effectiveness

Online Maintenance Assistance
Never alone
Support your technicians with remote experts.

A220 A320 A330 A340 A350 A380 BOEING

Benefits
- Connect your technicians with remote experts from your company, from Airbus or from Testia in order to faster troubleshooting by sharing screen and applications
TRAINING

Competences training courses:

› Cabin Interior & Emergency Equipment
› Ground Handling
› Ramp and Transit
› Cargo Loading
› General Familiarization
› Management of aircraft system failure for an effective dispatch

Upon completion of these courses, the trainee will be able to:

• Operate and test, remove and install all items belonging to the cabin systems
• Provide personnel a basic overview of controls, indicating, component location and purpose of relevant commercial related systems
• Identify safety precautions to be observed when working on or near the aircraft and its commercial related systems
• Perform specific tasks involved in ramp and transit servicing
• Operate the cargo loading system
• Be familiar with the general layout of the Aircraft’s major systems
• Reinforce skills in the management of aircraft system failures
Specialized training courses:

- Aircraft Rigging
- Electrical Wiring Interconnection Systems (EWIS)
- Hydraulic Maintenance Practices
- ETOPS Maintenance
- Engine Run-up
- Fuel Tank Inerting System
- Optical Fiber Inter System
- Trouble-Shooting Course (MTS)
- Oxygen Basic
- Cat II / Cat III Maintenance

Upon completion of these courses, the trainee will be able to:

- Perform the recommended rigging procedures on the aircraft systems using the appropriate Airbus operational documentation
- Know or demonstrate the safe handling of aeroplane electrical systems, Line Replaceable Units (LRU), tooling, troubleshooting procedures, and electrical measurement
- Ensure that proper procedures, methods, techniques and practices are used when performing maintenance actions
- Know all technical requirements and procedures necessary for operating and dispatching an aircraft under ETOPS regulations
- Start and operate the engines and related aircraft systems
- Reinforce skills on ATA 47 Fuel Tank Inerting System
- To perform repair by fusion splices
- Have reinforced the knowledge and skills necessary to safely and efficiency trouble shoot A320 family or A330/A340 aircraft
- Provide skills for checking engine performance characteristics
- Know all aspects of oxygen
- Know the procedures required for maintaining CAT II/CAT III operation

Type training courses:

- A380 / A350XWB New Technologies course
- EASA C - Base Maintenance Certifying Engineer
- Line Mechanic Course
- Maintenance Recurrent Training
- B1 - Full Course (T1)
- B1 - Inter Family Cross Maintenance Qualifications CMQ (T1)
- B1 - Intra Family Cross Maintenance Qualifications CMQ (T1)
- B2 - Full Course (T2)
- B2 - Inter Family Cross Maintenance Qualifications CMQ (T2)
- B2 - Intra Family Cross Maintenance Qualifications (T2)
- B1 + B2 - Full Course (T1+T2)
- B1 + B2 - Inter Family Cross Maintenance Qualifications CMQ (T1+T2)
- B1 + B2 - Intra Family Cross Maintenance Qualifications CMQ (T1+T2)

Upon completion of these courses, the trainee will be able to:

- Provide a refresher of the aircraft systems, relevant technology, human factors, the common in service issues and associated consequences
- Perform all maintenance tasks relative to line and base maintenance, inspections and routine work according to the maintenance manual and other relevant instructions and tasks as appropriate for the type of aircraft
- Complement the technical knowledge of the certifying staff
- Give technicians already qualified on the source aircraft the possibility of transitioning from one Airbus fly-by-wire family type to another via ‘Difference Training’ instead of full transition training
- Recall the safety precautions to be observed when working on or near the aircraft and its systems
TRAINING

Benefits

- Airbus expertise online
- Savings on travel, living expense and unavailability of your staff
- Self-paced study for better retention
- Courses updated with in-service experience
- Innovative training media
- Efficient Learning Management System (LMS)
- Compatibility with all Operating Systems (Apple, Windows, Android)

Structure Composite training courses:

- Composite Repair Technicians Course
- Radome Repair for Technicians
- Advanced Composite Repair for Technicians
- Basic Composite Repair for Technicians
- Composite Repair Engineering

Upon completion of these courses, the trainee will be able to:
- Study the A350 or A380 specificities in terms of materials, structure types, reference documentation for damage assessment & repairs
- Familiarize airline personnel with composite materials and their application on Airbus radomes, the basic standard practices for radome repairs, and in performing various CMMV radome repairs
- Help airline engineers to successfully deal with damage on composite structure out of the Structure Repair Manual (SRM)

e-Training courses:

- A380/A350XWB New technologies course
- A350 XWB Ground Handling
- FTIS (Fuel Tank Inerting System)
- A350-900 to 1000 Difference
- EWIS (Electrical Wiring Interconnection Systems)

Upon completion of these e-training, the trainee will be able to:
- Learn new technologies fitted on A350 and A380 aircraft
- Provides a basic overview of controls, indicating, component location and purpose of relevant commercial related systems
- Reinforce skills on ATA 47 Fuel Tank Inerting System
- Know the differences between the A350-900 and the A350-1000 aircraft
- Strengthen their knowledge on Electrical Wiring Interconnection System (EWIS)

Benefits

- Get use with the practice of complex composite repairs, using already know standard practices
- Provides the necessary skills and knowledge in terms of standard practices for composite bonded and bolted repairs that are essential for the success of repair to composite structures
- Provide the necessary background in terms of repair design concepts and rules, in order to be able set up repair design solutions on composite structures getting the maximum chances to be approved
Benefits

- Provides a better efficiency in the SRM usage for damage assessment and repairs
- Get the minimum background knowledge in terms of engineering basics (structure design, strength of materials, repair design rules) as well as basics of operational documentation usage
- Deep study of Glare repair standard practices for the best application of SRM requested repairs
- Better understanding of corrosion process and causes for an efficient prevention and corrective actions applications
- Aircraft associated operational documentation usage for an efficient work on the aircraft structure
- Deep understanding of the aircraft structure (design/materials/protections/...)

Structure Metallic training courses:

- Structure Repair Manual (SRM) Course
- Repair Engineering Course Level 1
- Fuel Leaks Detection and Repair Course
- Metallic Structure Repair Engineering Course
- SRM Familiarization for Damage Assessment
- A380 Glare Repair
- Corrosion Control
- Structure Maintenance and Repair
- Fatigue & Damage Tolerance

Upon completion of these courses, the trainee will be able to:

- Give the basic skills necessary to feel confident with the use of the Structure Repair Manual (SRM) for damage assessment, repair selection and repair instruction reading
- Become familiar with the Airbus aircraft structures, operational structure documentation, structure repair basis and specific Airbus repair rules and philosophy, and to introduce “Reverse Engineering” methods and calculations in the context of repair design
- Give the concerned airline personnel the necessary background and knowledge to perform an accurate detection of fuel leak sources and to perform the corrective repairs
- Understand the Airbus repair philosophy and repair procedures described in the Structure Repair Manual (SRM) and their limitations
- Give the basic skills necessary to feel confident with the use of the Structure Repair Manual (SRM) to assess commonly encountered structure damage and take the appropriate decisions
- Become familiar with the glare materials, their applications on the aircraft, the repair principles and the required tooling and related standard practices
- Identify the different types of corrosion and their cause
- Understand typical fatigue loads and missions
- Give familiarization with the aircraft in terms of design philosophy, materials and technologies, reference structure documentation
#7

Expertise & Consulting
EXPERTISE & CONSULTING

Business & Strategy

**MRO business performance**
Change is no more an event, but the new normal state of things. We propose to accompany MROs in this new normality. For every situation there is a good strategy and we can help you develop and implement it using our unique dataset and knowledge of the industry.

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**Benefits**

- Global view of the industry when defining a strategy
- Best-in-class management consultants recruited and dedicated to this activity

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Operations

**Differentiation through productivity**
Uniquely positioned to provide airlines and MROs with efficient and tailored recommendations to optimise their organisation, processes and tools. We offer dedicated and innovative solutions aiming at covering airlines and MROs' main operations domains on Maintenance & Engineering and Material Management.

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**Benefits**

- Increased productivity through optimised resource utilisation, lower cost base, scalability, and shorter checks

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Digital

**Differentiation through technology**
We bring Airbus technology and industry leaders together to bring MROs up to Industry 4.0 standards (IoT + Analytics + Apps).

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**Benefits**

- Anticipation for better planning
- Data correlation for better decision-making
- Automation for higher productivity
- Connected people for enhanced safety
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Benefits

- More efficient collaboration through better process awareness
- Better understanding of interdependencies to support strategic decisions
- Extend your professional network with other operator counterparts
- Reduced travel costs and resources by joining our regional courses
- Improve GSE & Tools handling
- Save time through easy access to tools engineering data
- Identify the best tools options for your business

Airbus Material Seminars

Tailored seminars for your needs

Our seminars have specifically been developed to support your goal of optimised Material Management, knowing that cost reduction and increased operational efficiency are major objectives in the aviation industry.

Airbus has developed several core seminars to provide you with a comprehensive knowledge in the field of material management:

- Advanced Material Management
- GSE & Tools specialisation
- Material Planning & Inventory Management
- Principles of Material Management
- Spares Mobile Classroom
- Transport Logistics

Benefits

Airbus business planning for strengthened investor attractiveness
Airbus signature project management to avoid surprises

Customised Spares Logistics

Time flies. So do your spares.

Airbus Customised Spares Logistics (CSL) service takes care of customers’ spare parts shipments from order receipt to final destination for all order priorities and shipping methods.

A320 A330 A340 A350 A380

Startup MROs

From zero to hero

Expansion may require setting-up an MRO from a green field. Airbus can accompany you in this from the “paper phase” (business planning & detailed specification) to the “metal phase” (setting-up the facilities, equipment, organisation, accreditations and initial operations).

Benefits

CSL customers benefit from eliminated effort for follow-up and tracking of their orders. Invoice processing is simplified by consolidation into one invoice per month.

Customers also benefit from reduced financial exposure due to all-in rates. The risk of additional costs caused by volatile transport surcharges (such as fuel, security or exchange rates) is covered by Airbus.

The combination of zero investment requirements and flexible contract duration makes it easy to sign up for the CSL service.
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Benefits

- On-demand delivery, in less than 48 hours
- Expertise, a reliable service providing you with secure access to your archives
- Money and time saving, helping you avoid archiving management and storage cost

Archiving

Safe and secure access to your archived data

We can provide secure access to all of your previous revisions of your maintenance manuals allowing you to have a comprehensive history of all your data, delivered either as full manual or extracts of chapters or tasks.

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Benefits

- Empower your engineering activities
- Save time when checking aircraft compliance
- Facilitate your decision-making
- Simplify your data management

ELA Services

We revise the Electrical Load Analysis (ELA) on your behalf, whenever you want

We want to help you manage the Electrical Load of the aircraft. That is why we provide you with a revised ELA based upon all reported electrical changes on the aircraft since delivery.

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Benefits

- Support through the Electrical Load management
- Up to date information, ELA Update reflects the actual aircraft configuration
- Safety, reducing risk of data obsolescence
- Fully digital, with online access to the ELA documentation

ACM+

All configuration and applicable SB status in one place

We are aware that it can be challenging to follow every modification and its impacts on Technical Data. That is why we designed a customised service to allow you a comprehensive view of aircraft SB configuration.

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Benefits
Forecasting & Planning:
Combination of airline operations expertise with OEM technical knowledge and worldwide operator’s data & initial planning on fleet extension or retirement

Sourcing & Purchasing: Slim market prices as reference and value creation through enlarged purchasing volume. Integration of existing airline contracts until improved contracts succeed

Stock risk share: lean on-site stock management. Back up and critical slow turning stock in pool with Airbus’ worldwide customer base strategy

Integrated Material Services
Manage your entire supply chain
Integrated Material Services (IMS) is a solution that manages the entire supply chain for airlines and MROs. This solution will cover all expendable materials and related processes.

A320  A330  A340  A350  A380  BOEING

Maintenance provisioning documents

Forecasting service for maintenance material – Anticipating the spares needs
Fly Away Kit Recommendation is a selection of the most needed spare parts for onboard storage, based on the Recommended Spare Parts List (RSPL) and customer usage parameters:
- Airbus Material Maintenance Forecast (AMMF) is a customised material recommendation to provision the right material for heavy maintenance events (C-Check or Structural Overhaul) and reduce the amount of high priority and AOG orders
- Airbus Component Replacement Data (ACRD) is a document which is reflecting all necessary items, the customer will need for replacing all positively recommended LRUs in the customers’ RSPL

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Benefits
- Reduced effort in planning and preparation for a maintenance event
- Reduction of orders on AOG and high priority basis
- Prevention of delays during maintenance event due to missing material
- Reward scheme for data sharing
- Decreases the cost of maintenance material by enabling advanced / early purchasing at best market price
- Provision the right material for heavy and base maintenance events and secure higher material availability
- Considerable time savings in obtaining information about all required maintenance items by eliminating the need to read through a large amount of maintenance documentation (ACRD)
- Consolidation of all materials linked to a LRU part number in one single document in a clearly arranged layout (ACRD)
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Standard and supplementary provisioning documents

Airbus provides you with material provisioning data concerning spares and tools planning and purchasing for a given fleet of aircraft. Airbus Provisioning Services delivers recommendations which are tailored to your needs and based on your customised parameters. These standard provisioning documents are made to help you better prepare your Entry Into Service or fleet growth and consist of Recommended Spare Parts Lists (RSPL), Detailed Parts Lists, Tools & GSE recommendation and Spec2000 provisioning files.

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Benefits

- Supported readiness for Entry Into Service or Fleet Growth plans
- Reduced effort in planning and preparation for a maintenance event
- Reduction of orders on AOG and high priority basis
- Based on your customised parameters

Fluids testing (oil, hydro, fuel)

Your aerospace Lab

- Microbiological contamination by ATP
- Metry method & IP3
- Vapor pressure
- Spectrometry
- Fluorescent penetrant
- AMM AIRBUS & ATR
- Hydraulic fluids (water content, chlorine content, acidity index, electrical conductivity, density, kinematic viscosity, solid particle count)
- AMM BOMBARDIER Analysis
- Hydraulic fluids (Visual, water content, chlorine content, total acid number)
- Hydraulic fluids, Engine oil contamination by Fuel
- Engine oil contamination by Hydraulics fluids
- Particle nature in Hydraulic fluids, Fuel and Lubricants by FTIR and SEM
- Fluid/seal compatibility

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A350 MRO Induction

Everytime a new aircraft is designed, it remains a challenge for the MRO to cope with the new technology. In order to support the MRO in its evaluation and in its development, Airbus has designed a dedicated service.

A350

Benefits

- Tailored recommendations to acquire A350 capability

Composite repair capability development

To adapt your composite repair industrial means versus your business plan, taking into account requirements from Airworthiness Authorities, OEM, local authorities and general Health & Safety rules.

A350 A380

Benefits

- Lab dedicated to aerospace analysis used to the requirements and turn around time requested