

Aircraft Services



A team of highly qualified and experienced aviation professionals who offer their expertise to lessors, airlines, private aircraft owners and aviation-related companies to help them develop their business and preserve the value of their assets.

Aircraft Technical Consulting Group, LLC

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Mission and Objectives

Aircraft Technical Consulting Group was founded by an aeronautical engineer formed in a recognized international airline, with the mission to provide world class aircraft maintenance consulting services.

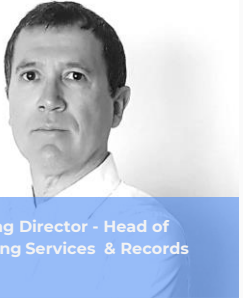
Composed of a team of highly qualified and experienced aviation professionals, with extensive knowledge in all fields of aircraft maintenance and other services, our goal is to share our expertise with air transport industry organizations to collaborate in the development of the aeronautical activity.

We are constantly motivated to help you protect your assets, ensuring that your needs are always being successfully and correctly managed and satisfied.



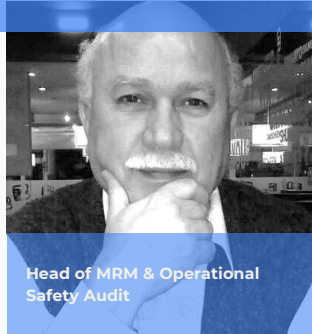
Who We Are —

Who We Are



Managing Director - Head of Consulting Services & Records Audit

Gabriel Spena is Aeronautical Engineer with a MS in Business Administration, a Project Manager Professional (PMP®) credential from the PMI® and has received several aircraft structures and systems training such as the Boeing Structural Repair Design for Engineers seminar. He has developed an extensive professional career in important companies of several industries, having 15 years of experience in the aerospace industry in Aerolíneas Argentinas (AR) Engineering and Maintenance Area, where he worked as Systems and Structures Engineer, Planning Engineer, Head of GSE and Aircraft structures repair shop and finally Heavy Maintenance Manager with 4 hangars under his command. During his last assignment he lead several C and D/C8 checks of the B747/A340 fleet and the conversion of a B737 from coach cabin to an executive layout, besides the entire range of heavy checks for the B737 and A310 fleets. He has also carried out many projects of aircraft reception from lessors and company's technical representation during C and D checks of B747 and B737 aircraft in several countries, and has represented AR during Engineering and Maintenance symposiums (McDonnell Douglas Technical Engineering & Maintenance -TEAM - Conference and Airbus Technical Symposium for A-300/310)



Head of MRM & Operational Safety Audit

Arturo Garcia had an extensive aircraft maintenance career at Aerolíneas Argentinas, working since its inception as an aircraft mechanic for 15 years in heavy and line maintenance of B747, B737, A340, A310 and MD80, where he received several technical training for the fleets where he worked. In 1994 he was promoted as Hangar Supervisor where he supervised a team of mechanics during A and C checks of A310, A340, B747, B737 and MD-80 series; later on Head of Hangar Technical Office (2001), where he designed and planned the A340's C8 checks, and finally Head of wide body Airplanes Heavy Maintenance, for B747, A340 and A310 fleets (2005-2007). Following his assignments in Maintenance activities, he then moved to Quality Area, where he developed for almost 8 years as Technical Auditor, Instructor/Facilitator for MRM & Human Factors, M.E.D.A. investigator for the Engineering Maintenance directorate and Risk Analyst & Operational Safety official after receive a deep training and instruction through several courses in HF, CRM, SMS and Operational Safety until he was promoted to Head of SMS and Human Factors office.



Head of Aircraft Physical Inspections

Angel Perucca has a wide aircraft Engineering & Maintenance career developed in Aerolíneas Argentinas (AR) and other companies since 1978, starting his formation graduating as Aeronautical Technician, followed by ANAC (Argentina) License Cat C Aircraft Mechanic and FAA's A&P License. He incorporated to AR as Aircraft Mechanic in Line & Base Maintenance group, where he worked in B737, B747, A310 and A340's systems and engines for several years after being trained in systems and PP of those types of aircraft. He was then promoted to Hangar Supervisor where he supervised a team of mechanics during A and C checks of A310, A340, B747, B737 and MD-80 series and then to Head of Base & Heavy Maintenance for B747, B737, A340 and A310 fleets. Finally, he was transferred to Engineering and Planning area as Head of Planning and Control, assigned to the supervision of all the redeliveries of AR's leased fleet and the coordination of technical audits from lessors, insurance companies and other official entities, after being trained in "Delivery & redelivery of leased aircrafts process" (by GECAS) and "Aircraft appraisal". He also was assigned as AR representative for a D check of a B747 in Spain and the redelivery of a A340 in the USA.



Grupo de Transporte Aereo is a group of research, development and technological knowledge application whose objective is to provide technical advice to users and organizations related with the air transport industry (aircrafts, airports, air space and navigation), offering solutions to specific technical problems of the activity.

The GTA is part of the "G.T.A.-G.I.A.I." Research & Development Unit belonging to the Aeronautics Department of the State University of La Plata (U.N.L.P.).

The group is made up of professionals with different skills and expertise, giving the GTA a wide systemic vision. This core team can be expanded through contracts with subject matter experts from the University or external to it, forming an "ad hoc" multidisciplinary team according to the specific projects requirements, increasing the Group flexibility and its multiple criteria analysis ability. This allows the GTA to serve all the issues that involve the development of aeronautical and airport activity.

MSA Eng. C. Alejandro Di Bernardi – GTA Team Leader
Aeronautical Engineer (UNLPL), Master in Airports Systems (UPM)

Dr. Vicente J. Nadal Mora – GIAI Team Leader
Aeronautical Engineer (UNLPL), Dr. in Aerospace Infrastructures (UPM)



Lease Transitions,
Acceptance & Redelivery

Pre Purchase Inspections

Experts On Demand

MRO/On Site Representation

Advise and Consulting

MRO Audit

Lease Mid Term Audit

A complete range of customized solutions,
oriented to satisfy the customer needs in a
single-point service supplier

Customized Solutions for Your Business

Expertise

More than 100 years of combined experience in the air transport industry in an international renowned company, where we developed our careers in Line & Heavy Maintenance, Engineering, Power Plant, Quality as well as Audit all over the world.

Know how

Our experience encompass both the physical state of the airplane regarding power plant, systems and airframe, technical records, from compliance status of AD's and the maintenance program up to the audit of maintenance activities during heavy & line maintenance, MRO's organization, Project Management, Safety programs, etc.

Commitment

Total commitment to the objectives of the company that hires us, ensuring its assets and interests in the same way that we would take care of ours.

Flexibility

We adapt to the characteristics of the project, fully or partially participating according to the requested scope assuming different responsibilities, whether intervening in end-to-finish projects or helping partially as subcontractors, according to the customer needs.

Location

Although our geographical location give us an important logistic and idiomatic comparative advantage for projects in the Americas (reflected in our special fees for this location), we are in condition to carry out any project worldwide as required.

Lessors

The transition of an aircraft between leases is a complex process that must be treated with the utmost professionalism. We know that the focus of your business is to maximize the profitability of your assets, so we offer reliable and expert aircraft technical assistance to help you achieve your goals.

Airlines

Whether you lease an airplane, control and audit a subcontracted MRO or return the plane to its owner, people with the necessary knowledge and expertise are a scarce resource, so we can help you fill the gap, either by assigning a full project or helping your own staff.

Banks, Insurance & Investment Companies

When the company focus on the value of its assets, when assessing aircraft preservation and the actual possibilities of leasing, it is necessary to have the appropriate personnel, for a suitable evaluation of the documentation and physical condition

MROs

We can assess MROs organization and propose actions to improve the performance, implement a Project management Office or set up a brand new shop.

Private Aircraft Owners

For those private operators who wish to lease or return an aircraft, or who desire to monitor the maintenance of their aircraft in an outsourced MRO, we provide the appropriate skilled resources

Business Services Companies

If your intention is to provide Business and other Services to air transport companies, it is critical to have a deep understanding of the technical subjects of an aircraft operation & maintenance. We can provide the appropriate technical knowledge for projects that involves new services, business assessments, revenue growth, operations improvement, etc. in the airlines business.



Lease Audits, Transitions, Acceptance & Redelivery

A comprehensive aircraft physical inspection and documentation audit that supports the existence, format, condition and revision status of all the reports, manuals and certificates performed according to IATA's Guidance Material and Best Practices for Aircraft Leases.

The depth of this type of audit and the time allowed for the inspection may be limited by the terms of the LOI agreement but usually includes full Back to Birth trace and Dirty Fingerprint Accountability of: AD's, Controlled & Life Limited Components, Engineering orders, accomplishment of the Maintenance Program, SB's, Structural Repair File and Repair Mapping, serialized inventory of installed avionics equipment and major aircraft systems, and physical inspection of aircraft surfaces and interior.

Also a Current Status Reports & Disc Sheets for Aircraft, APU, Engines and Landing Gear and a full damage mapping. All documents are packaged and prepared for delivery, thus the Aircraft & Records are prepared for DAR conformity and Export C of A inspection



Lease Mid Term Audit

Observe the fulfillment of the lease contractual conditions of your aircraft, both in terms of maintenance, airworthiness requirements and physical condition.

Lease Mid-Term Inspection (Annual Inspections) imply:

- * Physical inspection and documentation review of in service leased aircraft
- * Develop current status reports and related summaries
- * Verify Lessee's compliance with maintenance program
- * Verify Lessee's compliance with terms of lease agreement
- * Photography of Aircraft
- * Verify modifications and operations comply with the terms of the lease agreement

Pre Purchase

Inspections

When it comes to determine whether or not to acquire an aircraft, its real price and its airworthiness condition, it is essential to know in detail the physical state of the aircraft, the operating remnants of components with limited life and the existence of up-to-date technical documentation regarding the compliance with the maintenance program, the major interventions and modifications that have been made to it, the register of approved damages, manuals and several other documents about the airframe, engines, landing gear and APU





MRO/On Site Representation

We provide on site monitoring of MRO's maintenance contracts and other technical representative services to Airlines, Operators and Lessors in Latin America and worldwide.

Our broad experience in the complete range of large commercial aircraft heavy maintenance (Boeing and Airbus narrow and wide body planes "C", "D" and "C8" checks) and a deep knowledge of MRO organizations, allows us to oversight all the requirements and maintenance activities of a heavy check, from technical issues such as discrepancies & non routine tasks evaluation and approval, contract deviation, work hours and tasks duration up to replacement parts billing audit and all the stuff associated with a heavy check that usually causes costs overruns and out of schedule delivery.

For overseas projects, during our corporate career we have managed dozens of C and D checks in Argentina, Chile, Korea, Brazil, France, Spain, Israel, Ireland and the USA, giving us a broad international experience

MRO Audit

When the main issue is to find a new MRO to perform the maintenance of your aircraft, engines or components, select the best choice from different options or verify that your chosen MRO operates within the desired performance, an on site audit is always necessary to evaluate the actual compliance of its FAR/EASA 121 & 145 certification.

It includes an audit of the Quality Manual & Procedures Manual, the existence of appropriate technical documentation properly updated and an on site inspection that verifies the condition of the facilities to house the type of check and aircraft to be inspected, confirm that the required staff is properly qualified and available during the check slot, controls the existence in quantity, type and condition of special tools & test equipment and the actual compliance "on the floor" of the existing procedures.



Advise and Consulting

Aviation professionals with years of experience and training in different areas offer a complete portfolio of consulting and advisory services for Airlines and MROs in:

- Performance Improvement
- Project Management
- Supply Chain
- Safety programs implementation
- General technical advise
- Other aviation related subjects.

Experts On Demand

We know the difficulty of have, in the right time and exact place, highly qualified people with the knowledge and expertise required to carry out the activities related to aircraft technical subjects like monitor a MRO performance, audit technical documentation, physical evaluation of a large commercial aircraft and even the appropriated technical knowledge to support Business Services companies in projects that involves new services, business assessments, operations optimization, revenue improvement, etc.

Given this restriction of the labor market, we offer our services to those companies related to the Air Transport industry or Business Services to assist them with qualified resources to achieve the project success, in the areas of MRO's Audit, technical documentation review, aircrafts and engines physical inspection, MROs organization assessment, supply chain and other technical subjects.



Capabilities Summary

Audit

- Lease transitions
 - Delivery
 - Redelivery
 - Repossessions
- Lease mid term audit
- MRO on site representation
- MRO's audit
- Pre purchase inspections
- Physical inspections (Airframe, Power Plant, Components)
- Supply Chain (warehouse procedures audit, pool of parts audits, etc.)
- Safety Management System (SMS) audit
- IOSA program audit
- Safety Aircraft Foreign Audit (SAFA)

- MRO Airframe and Powerplant (A&PP) reorganization, performance assessment and improvement through management advisory (organization chart, activities review, planning and procedures)
- MRO (Aircraft and Engines) workshops implementation (shop lay out, resources requirements, workflow design, regulatory requirements)
- Project Management Office (PMO) implementation and audit in MROs and Airlines to manage projects according PMI-PMBOK guide
- Safety Management System (SMS) Implementation and training
- Supply chain assessment and improvement (Inventory analysis, initial parts provision definition, statistical stock calculation)
- IOSA program implementation and training
- General technical advisory (Airframe & PP)
- Maintenance programs review / Bridging
- Project Management of MROs and Airlines projects, following PMBOK guide methodology

Consulting Services



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