



AEROSTRUCTURES

KEY FIGURES


105 M€
REVENUE 2019


1,150
EMPLOYEES


4
COMPANIES


59
LOCATIONS
IN FRANCE
AND MOROCCO



Aviatube, Indraero, Structural Aerospace Morocco and Secan have joined forces within Aviagroup Industries to form an aviation group dedicated to design, production and support of aluminium tubes, simple and complex aerostructures, and customized thermal management solutions, for aircraft safety and performance.

This strategic consolidation enables the businesses to have better industrial and commercial synergies in order to offer more effective solutions to customers and strengthen the Group's presence in all its markets.

AVIATION



DEFENSE

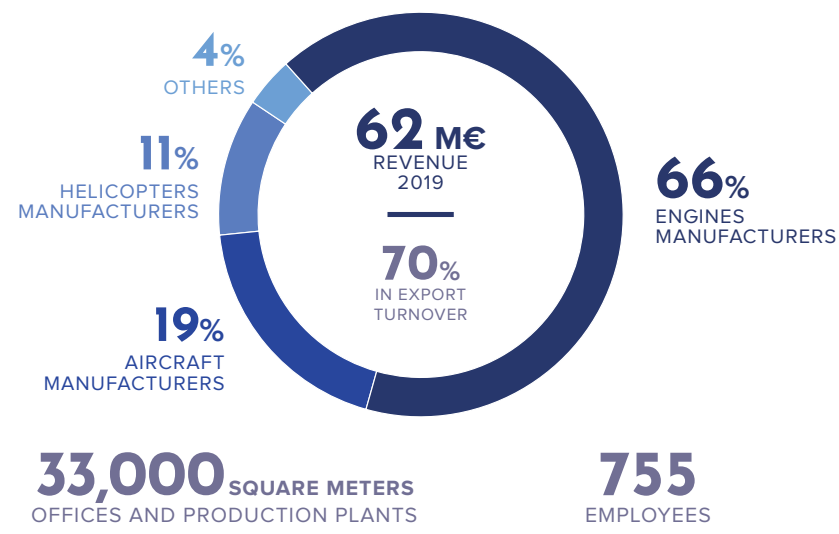


SPACE



Aviagroup Industries, through its companies Indraero and Structural Aerospace Morocco, is a leading supplier of complex metal aerostructures primary parts and sub-assemblies for aviation and space markets. From industrialisation to maintenance, repair, and overhaul (MRO), Aviagroup Industries relies on its expertise to support its customers throughout the products entire life cycle.

Based on its strong experience, the Group masters aeronautical sheet metal working, precision machining, surface and heat treatments, as well as assembly processes. Aviagroup Industries puts all its skills and industrial means at the service of its customers with always the same quality requirement. The Group is pursuing a vertical integration of its processes across all its sites in France and Morocco in order to guarantee the operational efficiency of its manufacturing process (quality, cost, lead-time). Aviagroup Industries is recognized for its specific know-how, its rigor, and its technical expertise.



AEROSTRUCTURES

PRIMARY PARTS AND SUB-ASSEMBLIES

Aviagroup Industries has all the skills needed to produce and assemble complex metal aerostructures for aircraft and helicopters, civil and military. Aerostructures primary parts and sub-assemblies are essential components to ensure aircraft performance and safety in harsh environments. Ultimately, they contribute to the structural strength and aerodynamics of each aircraft. These components are therefore representative of Aviagroup Industries technical and mastered know-how. Thus, the Group can produce sub-assembly work-packages for aircraft wings (flaps), pylons, helicopter structures (floors, fenestron), etc.

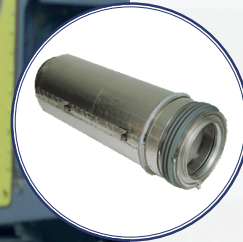
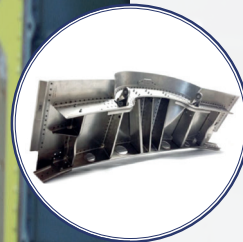
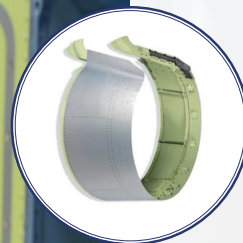
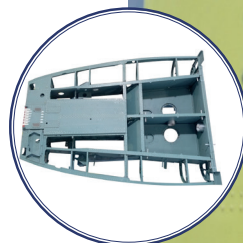
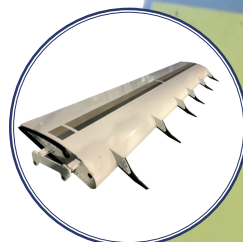
From cockpit to tail, from fuselage to wings, Aviagroup Industries manufactures high-performance aerostructures primary parts and sub-assemblies at the best price.

COCKPIT: Doors frames, fittings, windows frames.

FUSELAGE: Access doors, belly fairings, bulkheads, drawn profiles, equipped floors, fairings, fuselage sub-assemblies, rings, stretch splices.

WINGS: Ailerons, air inlets, equipped ribs, flaps, leading edges, stiffeners, wings panels, wings parts, wing sub-assemblies, wingtips.

HORIZONTAL STABILIZER: Equipped ribs, fittings, tail parts, tip fairings.



ENGINES AND NACELLES

PRIMARY PARTS AND SUB-ASSEMBLIES

Engines and nacelles primary parts and sub-assemblies are designed to be able to achieve high-performance services in harsh environments. Essential components of engines, nacelles are complex systems made up of very technical primary parts and sub-assemblies. Aviagroup Industries strives therefore to use advanced manufacturing technologies on a day-to-day basis. Thus, the Group provides engines and nacelles components with advanced technical characteristics for aircraft, engines, and nacelles manufacturers and resolutely in line with their quality requirements. Conscious of the critical environmental constraints in which aircraft operates, Aviagroup Industries offers engines and nacelles components that are becoming increasingly light and efficient using all metal types with best cost always in mind to ensure its customers can deliver competitive solutions.

From engine and nacelle components to auxiliary power unit, Aviagroup Industries, through its companies Indraero and Structural Aerospace Morocco, is rich in skills to offer its customers high rate series industrialisation such as the Airbus A320 nacelle sub-assemblies.

ENGINE: Casings, cowls, ferrules, flanges, jet deflectors, nozzles, oil tanks, rings, splitters, FADEC tubes.

NACELLE: After Core Cowl (ACC), air inlets, corner pieces, drainage sheets metal, fairings, precooler inlets and exhausts, pylon, rails, strainers, thrust reverser sub-assemblies.

AUXILIARY POWER UNIT (APU): Air inlets, diffusers, muffler.

OUR EXPERTISES

SHEET METAL WORKING AND PRECISION MACHINING

With its expertise in aeronautical sheet metal working, Aviagroup Industries has recognized know-how in the transformation of hard metals and light alloys. The Group machines aluminium, titanium, or stainless-steel/Inconel primary parts and sub-assemblies. It relies on a sizable fleet of machining centers: conventional machining (3, 4 and 5-axis), CNC mechanical machining (3, 4 and 5-axis) and trimming dedicated to long profiles machining. Aviagroup Industries also has skills in cold forming like trimming (laser, CNC), fitting, rolling, bending, stamping, deep drawing, stretching, bending, folding and laser cutting.

SURFACE TREATMENT

Aviagroup Industries relies on its cutting-edge automated facilities for multiple surface treatment processes such as heat treating, anodizing (CAA, SAA, TSA), alodine, painting, pickling, passivation on hard metals, adjustment-polishing and shot blasting. In order to verify the metal conformity, Aviagroup Industries

provides various non-destructive testing (dye penetrant testing S2-S3-S4, radiography). All special processes are qualified NADCAP and the Group also has numerous customer's qualifications such as Airbus, Bombardier, Dassault Aviation, Latécoère, Safran.

ASSEMBLY

With an optimized management of its Supply Chain, as well as a strong capacity of assembly of all components, Aviagroup Industries offers to its customers a complete production support for aerostructures assembly. Thus, the leading aircraft manufacturers find at Aviagroup Industries a perfect and certified mastery of the complexity of assembly operations, such as aeronautical welding (manual TIG, laser, spot, rotary), metal/metal and metal/composite bonding, and riveting which guarantee the delivered product's conformity.

OUR CERTIFICATIONS AND OUR COMMITMENTS

QUALITY CONTROL

Aviagroup Industries, through its companies Indraero and Structural Aerospace Morocco, is continuously working on the improvement of its quality management system (QMS). It puts **ISO 9001** and **EN 9100** standards at the heart of its activity, ensuring its processes quality and efficiency. Aviagroup Industries is also pursuing a policy of excellence by creating a **LEAN** pole so that its aeronautical production practices progress significantly and quickly.

Aviagroup Industries is recognized for its unique business expertise through five special **NADCAP certified** processes (laser cutting, TIG welding, non-destructive testing, heat treating, chemical processing) and many aeronautical customer qualifications.

ENVIRONMENT PROTECTION

As a responsible company that cares about our planet, Aviagroup Industries is mobilized to reduce its impact on the environment. Aviagroup Industries, through its companies Indraero and Structural Aerospace Morocco, is working to ensure it minimizes its impact on the environment.

HEALTH AND SAFETY AT WORK

All the Aviagroup Industries employees apply a responsible security policy, adapted to their industrial activities and meeting regulatory requirements of the aerospace sector.

CHOOSE PERFORMANCE



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