



INTEGRATEDENGINEERINGSERVICES

We are a company of aeronautical engineering, consulting
and aeronautical maintenance

www.ies-col.com





INTEGRATED ENGINEERING SERVICES S.A.S is an engineering, consulting and support aircraft company, consisting of a select Colombian specialist team, which exists in order to offer their experience and knowledge gained over 25 years of combined experience in constant link with the aviation industry, both state and private.

We have extensive experience in planning, development and implementation technological and research projects related to aircraft engineering and maintenance areas, development and certification of major repair and alterations in accordance with National and International standards (RAC, FAR, EASA, RBAC, etc.).

Also, we are pioneers in the design and manufacture of products and processes in the Colombian aviation industry, as our methods of development engineering meet requirements of the aviation regulations. We have high performance computational tools (ANSYS, AFGROW and SOLID EDGE) consistent with the requirement of the OEM and aeronautical product certification authorities.

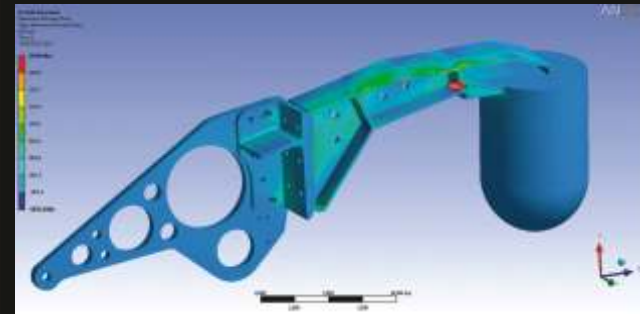
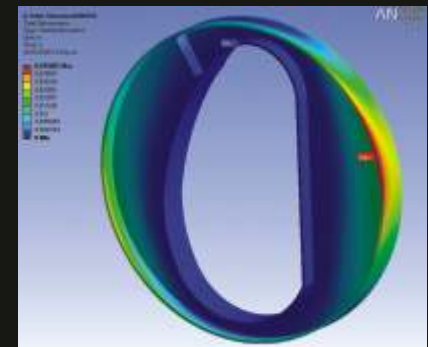
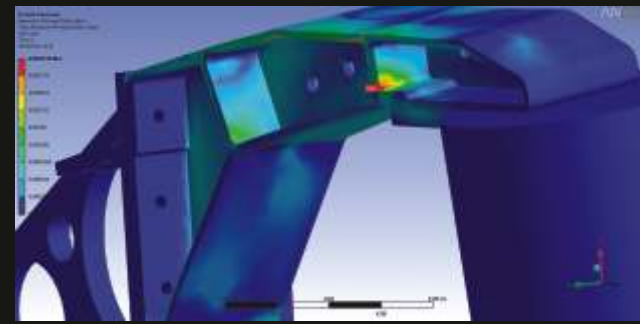
Our products and services are developed with the highest quality standards, safety and reliability, providing to our clients confidence that are working with the best Aircraft support company of the country.

ENGINEERING

Troops configuration system for 767- MMTT aircraft



- Structural analysis using the Finite Element Analysis software (ANSYS and SOLID EDGE).
- Development of engineering solutions for the aviation industry in: Structural - Systems - Power Plant areas.
- Analysis, development and optimization of aircraft maintenance programs under philosophy MSG-2 and MSG-3.
- Development of reliability programs for maintenance and manufacture organizations of aeronautical products.



- Development of reverse engineering processes for manufacturing aeronautical products under the PMA regulatory criteria.
- Analysis and development of aircraft alterations and repairs under regulatory standards.
- Fatigue and crack grow analysis under the criteria of Damage Tolerance Analysis.
- Development of Aircraft Structural Integrity Programs (SLEP, ASIP, AGING, RAP), and Corrosion Prevention Control Programs (CPCP).

MAINTENANCE



MAINTENANCE



- Supply of skilled manpower for preventive maintenance, repairs and major alterations activities in aircraft and operational systems.
- Maintenance and repair of ground handling equipment.
- Management of major maintenance services.
- Repair and overhaul of aircraft seats.
- Manufacture of aircraft parts in metallic materials and plastic compounds.
- Manufacture of floor panels for cockpit and cargo holds aircraft.
- Manufacture of pallets for loading and passenger seats (military use).

MANTENIMIENTO



A37B "DRAGONFLY" recovery program






INTEGRATED
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INTERIOR DIVISION



- Upholstery of executive and tourist seats with Colombian material, certified under FAR 25.853.
- Installation of IFE (In Flight Entertainment) on aircraft.
- UPGRADE of cabin from tourist to VIP configuration.
- Integral cleaning (exterior and interior) of aircraft.
- Interior and exterior painting of aircraft.
- External and internal aircraft marking.
- Fumigation of aircrafts.



- Structural and operational systems maintenance for A-37B aircrafts (Dragonfly) during 7000 FH phases.
- Cockpit upgrade for Cessna A-37B (Dragonfly).
- Design and manufacture of an IAI 767-MMTT troops configuration operated by the Colombian Air Force.
- Structural analysis and development of major repair of the beam N ° 10 in a MI-17 helicopter operated by the Colombian Army, due to damage not covered in the Structural Repair Manual.
- Training and consulting for the IMPLEMENTATION OF A RELIABILITY AND AIRWORTHINESS SYSTEM in Aviation Brigade National Army of Colombia.
- Recuperative maintenance of the ground support equipment of the Colombian Air Force, CACOM-2 and CACOM-3.
- Exterior and interior painting program of the SATENA ´s aircrafts (Dornier 328, Embraer 145 and Embraer 170).
- Structural analysis for a major repair and put into service an A-37B aircraft due to a Nose Landing Gear failure during landing.




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