

The background of the entire page is a photograph of industrial cooling towers. The towers are tall, cylindrical structures with a series of horizontal louvers or grilles. The image is taken from a low angle, looking up at the towers, which creates a sense of height and scale. The lighting is bright, suggesting an outdoor setting. The image is partially overlaid with large, semi-transparent white geometric shapes, including a large triangle and a trapezoid, which frame the central part of the image.

**CUSTOMIZED THERMAL
MANAGEMENT SOLUTIONS**

KEY FIGURES



105 M€
REVENUE
2019



1,150
EMPLOYEES



4 COMPANIES



5 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

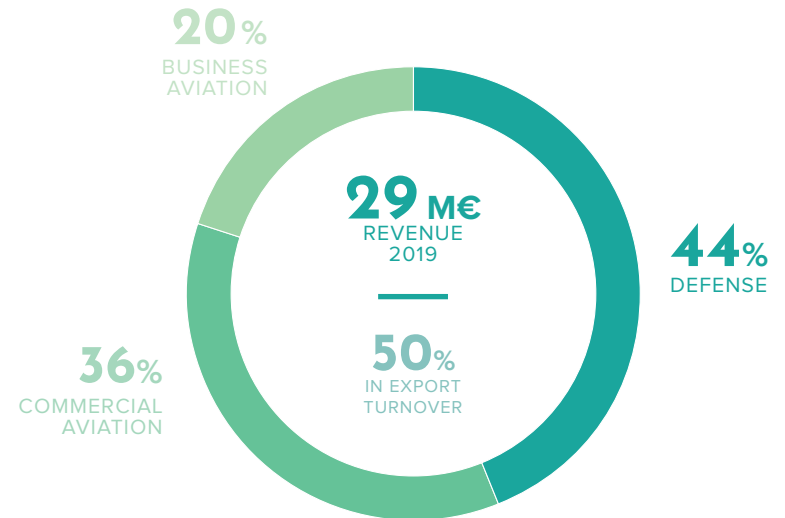


SPACE



Secan, a company of Aviagroup Industries, is your key partner for design, production and support of customized thermal management solutions. Secan offers a wide range of equipment, from heat exchangers to complete ECS and cooling systems.

The company uses all its skills and industrial means to support its customers. Based on its strong experience, Secan is your single point of contact able to master all the key stages of the entire product life cycle. For over 50 years, its know-how is recognized in the aviation and defense markets for civil and military applications.



18,000 SQUARE METERS
OFFICES AND PRODUCTION PLANT

200
EMPLOYEES

OUR PRODUCTS

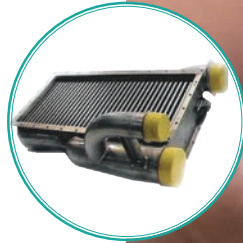
HEAT EXCHANGERS

Secan designs and manufactures plate and fin heat exchangers in aluminium or stainless-steel/ Inconel for air conditioning (ECS), vapor cycle (VCS) or engine bleed (precoolers) systems, and for fluids cooling for lubrication or hydraulic systems. **The company also provides tubular heat exchangers** for high pressure engine oil cooling. This range of equipment is completed by cold plates used, in most cases, for power electronics cooling.

THERMAL MANAGEMENT SYSTEMS

Secan offers high-performance thermal management systems for aircraft and helicopters, land defense systems and industrial applications:

- Complete air conditioning systems including vapor cycle (VCS), heating, ventilation and regulation.
- Engine oil cooling systems or power transmission.
- Air or liquid cooling systems for power systems and electronics.



OUR MARKETS

AVIATION

Secan offers customized thermal management solutions for aircraft and helicopters, civil and military. These solutions provide temperature control for passengers and cabin crew comfort and allow cooling of on-board electronic systems. Depending on customer's needs, solutions with compact or modular architecture are chosen. They can include ventilation, ventilation ducts, system controllers and control interface.

DEFENSE

Secan provides a wide range of air conditioning systems or cooling products designed for operation in harsh environments. These products equip fighters, military trainers, fixed and mobile radar stations, communication shelters and mobile units (armored vehicles, ships, etc.). Secan offers combat proven, complete, autonomous and reliable solutions with powers from a few kW to 50 kW at extreme temperatures on the tactical or strategic field of armed forces.

INDUSTRY

Secan uses its expertise in heat exchangers and customized thermal management systems for high-end applications such as motorsport and renewable energies.

OUR EXPERTISE

DESIGN

The development of new high-technicality products follows a project management process, from preliminary design to final qualification, which sets tools enabling to reduce technical risks and meet client program milestones. Secan engineers rely on internal calculation software and continue to develop their design capabilities to offer innovative and optimized solutions to meet customer's needs.

PRODUCTION

Secan relies on a numerous industrial resource and a wide range of technological expertise. The company also relies on its cross-functional teams consisting of special process technicians and experts to cover varied services, such as: forming, surface treatment (degreasing and pickling), vacuum furnace or bath brazing and other heat treatments (NADCAP), TIG and electric resistance welding (NADCAP),

conventional and digital machining, dimensional, X-ray and dye penetrant testing (NADCAP), as well as pressure and performance testing. Together with its Supply Chain makes it possible to achieve a performance objective with all the actors involved in our systems and equipment manufacturing.

AFTER-SALES

Secan provides maintenance, repair and overhaul (MRO) services for heat exchangers and air conditioning systems (aviation, land applications, civil and military). Secan has civil and military aeronautical certifications (EASA part21G and part145, FAR145, TCAC, FRA145) allowing repair according to strict quality requirements based on its experienced employees in design and production of original equipment heat exchangers. Customer support includes staff training, Life Cycle Support (MCO), overhauls and improvement for Secan products.

OUR CERTIFICATIONS AND OUR COMMITMENTS

QUALITY CONTROL

In order to guarantee its customers' satisfaction, Secan is continuously improving its quality management system (QMS) effectiveness in accordance with regulatory requirements. Secan is **ISO 9001 and EN 9100 certified**.

Secan also holds **NADCAP certification** for its special processes: heat treating, welding, and Non-Destructive Testing. These certifications recognize Secan quality commitment throughout the aerospace sector.

ENVIRONMENT PROTECTION

Secan is committed to continuously operate in full respect and protection of the environment. Thanks to its responsible behavior, the company ensures sound and sustainable business management, without prejudice to the environment or its employees.

HEALTH AND SAFETY AT WORK

Secan makes every effort to maintain a secure working environment for its employees. A permanent and collective effort to raise awareness and prevent risks is implemented to avoid accidents.

CHOOSE
PERFORMANCE



23 rue du 19 mars 1962, 92230 Gennevilliers — France
Tel.: +33 (0) 1 40 80 58 00 — contact-secan@aviagroup-industries.com

www.secanaerospace.com
www.aviagroup-industries.com

