





aerostructure manufacturer.

service to our customers.

differentiating strengths: a global industrial foot-print efficiently combining customer proximity and low-cost country presence, a very broad set of skills, a broad portfolio of customers and significant workshare on all growing platforms.

In 2019, Sonaca Group will further intensify synergies with its US subsidiary and will continue to expand its offer to bring its full set of capabilities to all its customers.

has developed a 3-year roadmap "Focus 20-21" to maintain excellent operational performance across all sites, unleash full value of synergies

The following pages succinctly present an overview of the Sonaca Group capabilities and main ambitions of "Focus 20-21" roadmap.

Sonaca Group will continue to grow as a global player in the Aerostructure sector and will remain a trusted and reliable partner, supporting efficiently the continued success and growth of its customers.



Sonaca Group has achieved significant growth in 2018, across all its manufacturing sites. Overall, revenues amount to over 900 M\$, exceeding expectations and firmly anchoring its position as a top 10 global

Concomitant ramp-ups of major platforms across several production sites in North America have caused operational difficulties in 2018, with associated pressure on margins. Thanks to Group-wide support, US teams have successfully achieved required production growth. The focus now remains on continuously improving

Sonaca Group combines many

Sonaca Group management

and capture broader opportunities. This strategic plan describes in detail the objectives and action plans for all departments and sites for the next 3 years (2019-2021).

Focus 20-21



Pierre Sonveaux Chairman of Sonaca Group

> Bernard Delvaux CEO of Sonaca Group

SONACA GROUP OVERVIEW



TOP 10 aerostructure player

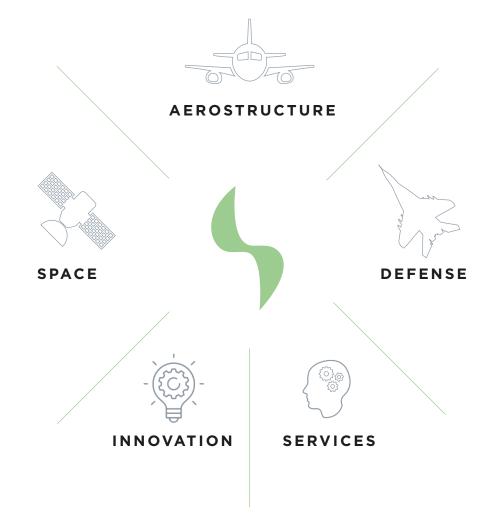
4630 employees

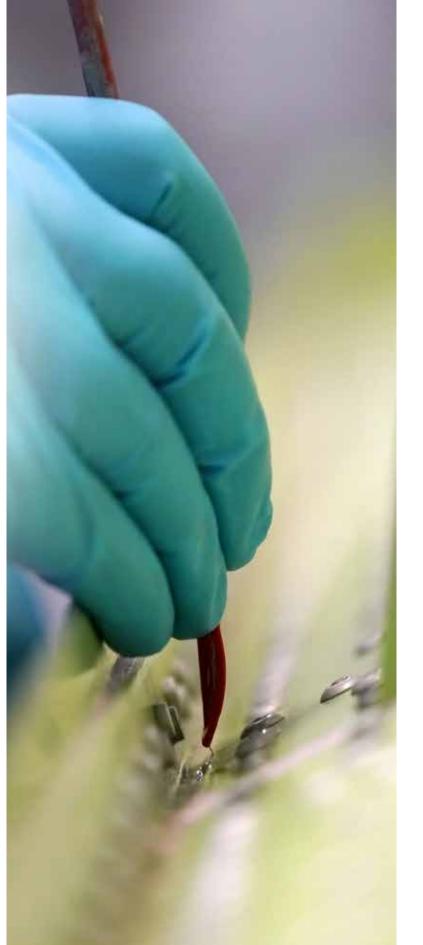
Revenues



9







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BOMB

SPIR







Lasting relationships with customers...

OEING	65 years
IRBUS	35 years
IBRAER	26 years
ARDIER	26 years
	16 years
ASSAULT	16 years

Broad customer portfolio...













Present on all growth platforms in commercial aviation!







RELIABLE & COMPETITIVE OPERATIONS

Sonaca Group has successfully expanded its best cost footprint



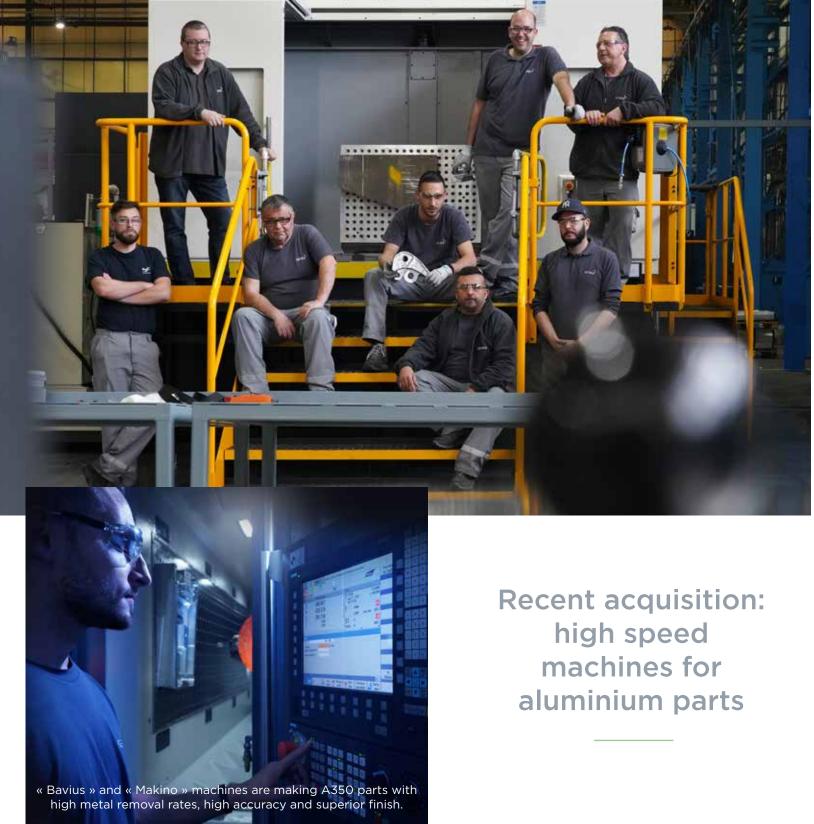


Seatesta . LMI ready for rate increase! En Particle States Overhead and inside views of expanded LMI Aerospace's machining facility in Washington, Mo.



Slat A 320: «best in class», on time/quality delivery!





sonaca

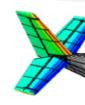


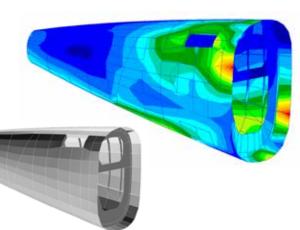
THE BEST WAY TO PREDICT THE FUTURE IS TO INVENT IT!

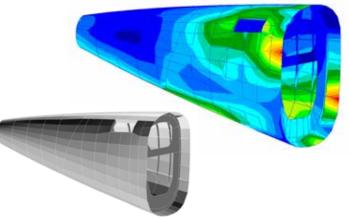


Engineering in Belgium



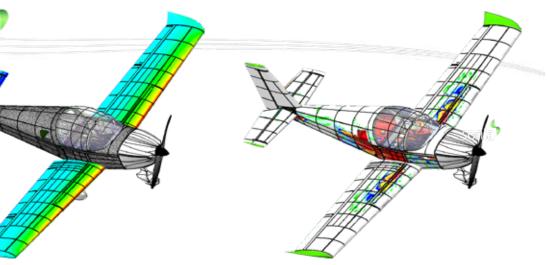






LMI Engineering provides engineering, test and certification services on the Mitsubishi Regional Jet tail cone program. Assembly work is completed at LMI's plant in Saint Charles, MO.





SONIA Engineering suite supporting the SONACA 200 certification (Gosselies).

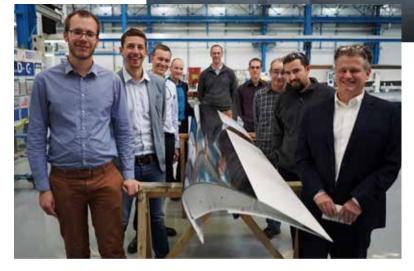
Engineering in USA



LMI Aerospace Engineering Services employees participate in a design review of the Aerion AS2 supersonic aircraft.

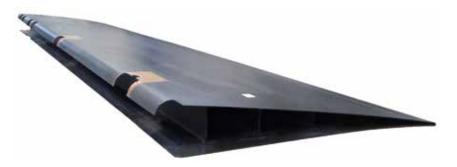


Highly integrated and cost-efficient Composite flap (two composite parts in ATL/SQRTM).



ATL-SQRTM full composite slat with Electrical Wing Ice Protection System (EWIPS).

Innovative products (R&T)



One shot composite aileron (SQRTM process and automated tape lay-up, ATL).

Sonaca Engineering Services: support to innovation

Modified tracks for flight tests in order to reduce noise generated by slats during Take-off and landing phases.



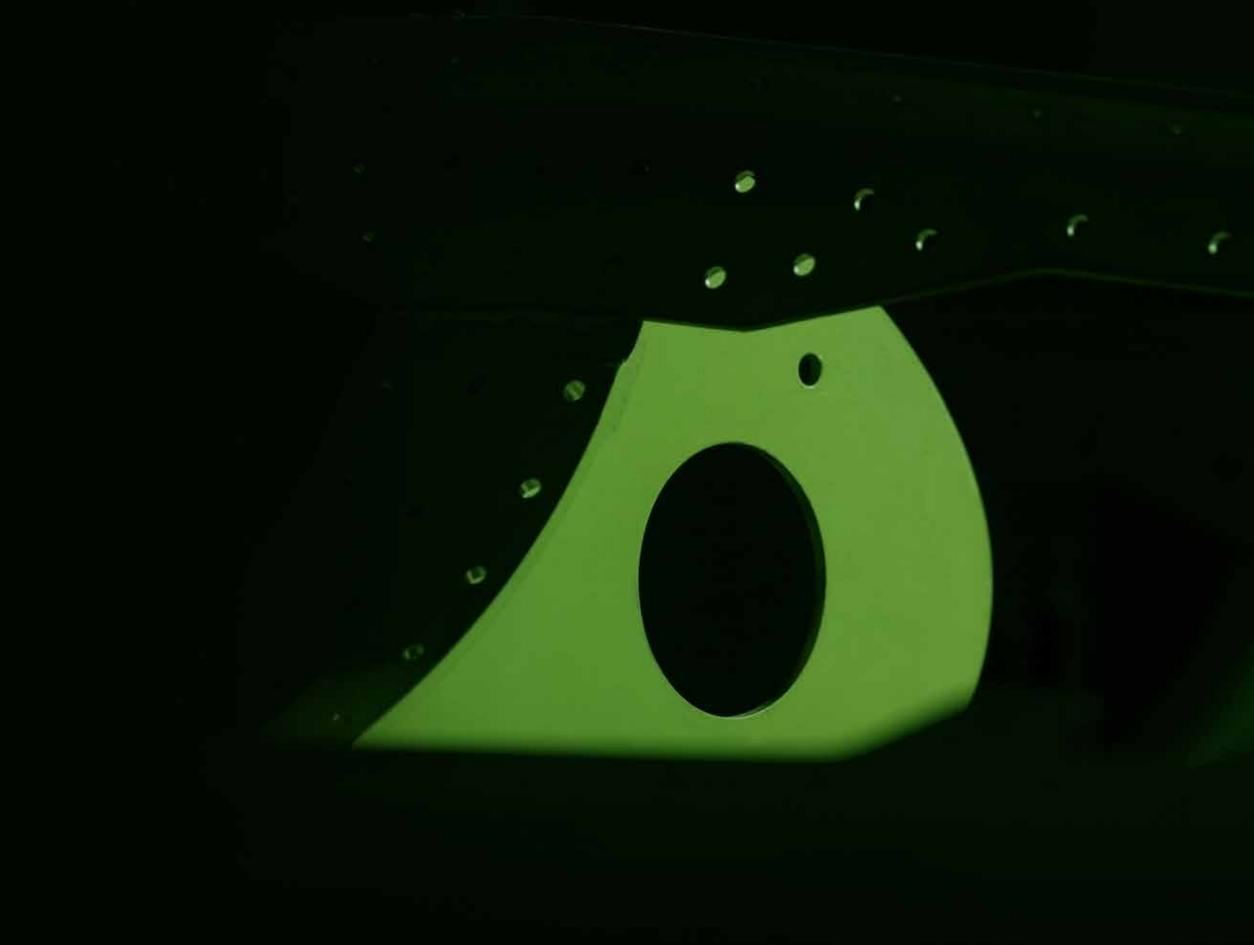
Manufacturing Engineering and tooling support for composite structures of an innovative new light helicopter developed by Kopter.

Sonaca Group, actively involved in space applications for three decades!

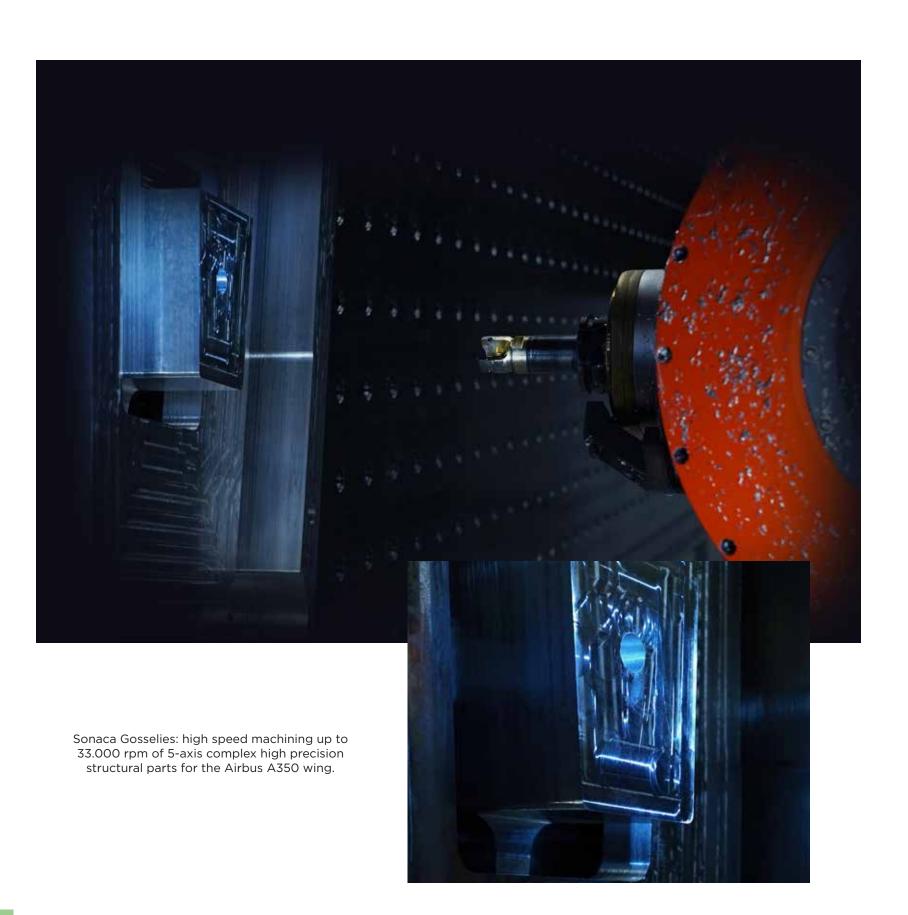
First Base Cover delivered to Ariane Group as part of the Ariane 6 Program.

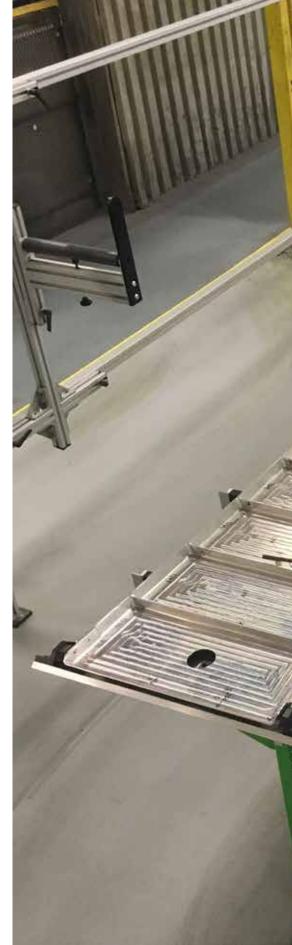






COMMERCIAL SUCCESSES



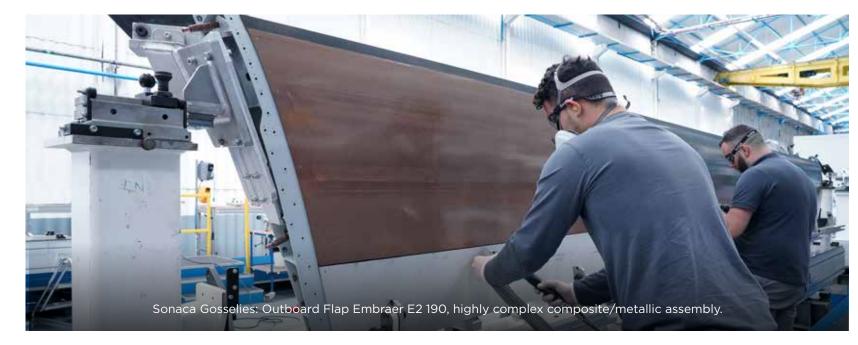


Sonaca Montreal: 787 Vertical Tail Spar - on its inspection table - 10 meters long.



FOCUS 20-21

Design and Build: focus on core capabilities!





Sonaca Gosselies: complex slat assembly: A350. Over a thousand slats (all programs) leave the sonaca plants every month.



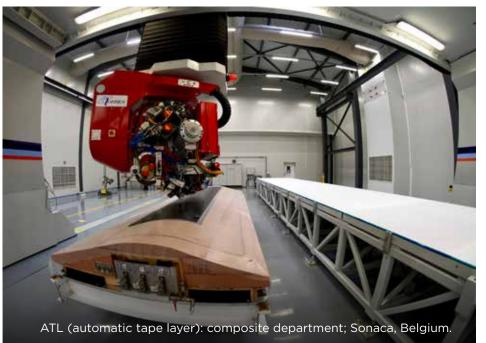
Sobraer, Brazil: complex assembly of rear fuselage Legacy 500.



A new OKUMA 5-axis machining cell at LMI Aerospace in Washington, Mo.



Build to print: metallic and composite parts





An LMI Aerospace employee in Washington (Mo) performs blending on a R3/ R4 fitting.



Large sheet metal and machined parts



Sonaca Gosselies: stretching machine, 2500 tonnes - capable of stretching large wing leading edge part and fuselage panels.



Sonaca Montreal: Global 5500 Wing Stringer being loaded into a high-speed extrusion mill made by MODIG.









You fly, we CARE! (Components Airframe Repairs Engineering)

A qualified Sonaca operator puts the finishing touches to the repair of a slat 1 of an Airbus A330, following an in-service damage. This is a complex repair designed and justified by Sonaca's design office. Sonaca Aviation Services, certified EASA Part 145 and FAA 14 CFR Part 145, receives damaged components from airlines (bird strikes, hail, collisions with airport maintenance vehicles, etc), designs specific repairs when necessary and performs the repair work, for a safe, reliable and timely return to service.



Providing cost effective and innovative solutions in design, manufacturing, training and sustainment to **Defense OEMs and Air Forces...**



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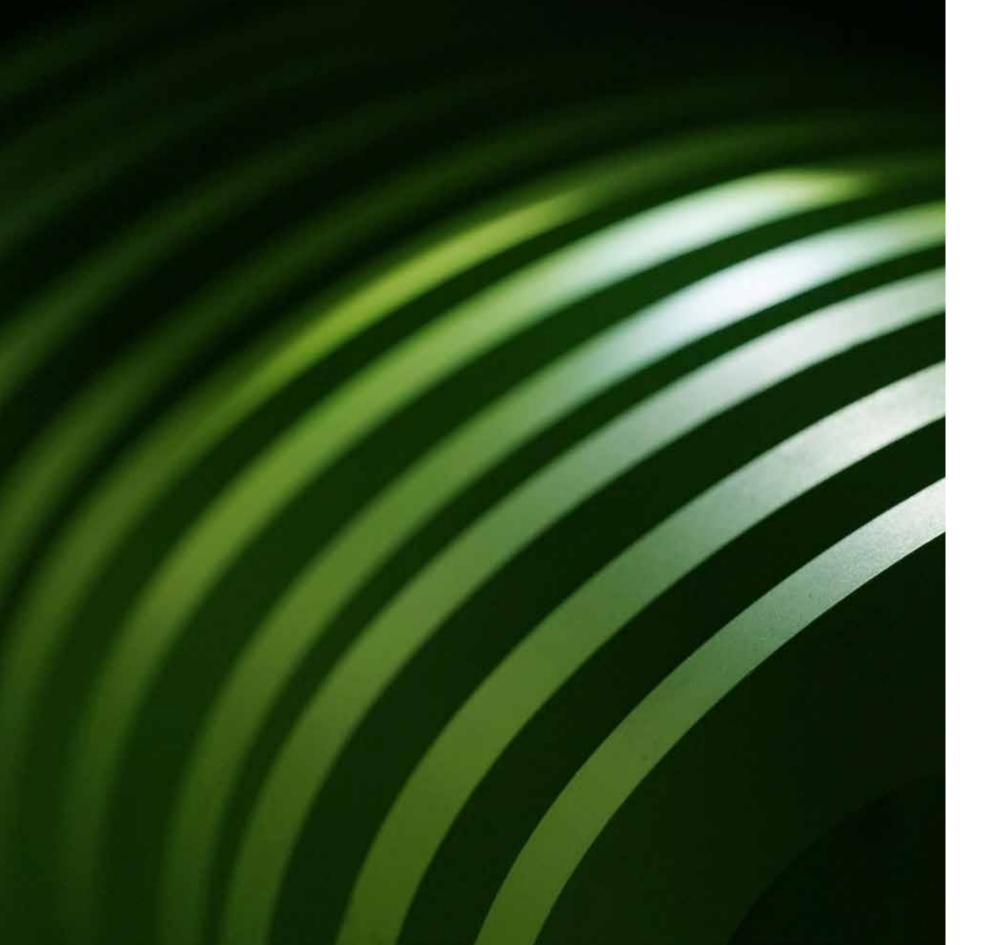


deliveries!

Innovation: Earth Observation

The first step of the future High Altitude Platform System (HAPS) equipped with Artificial Intelligence has been tested successfully.



























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