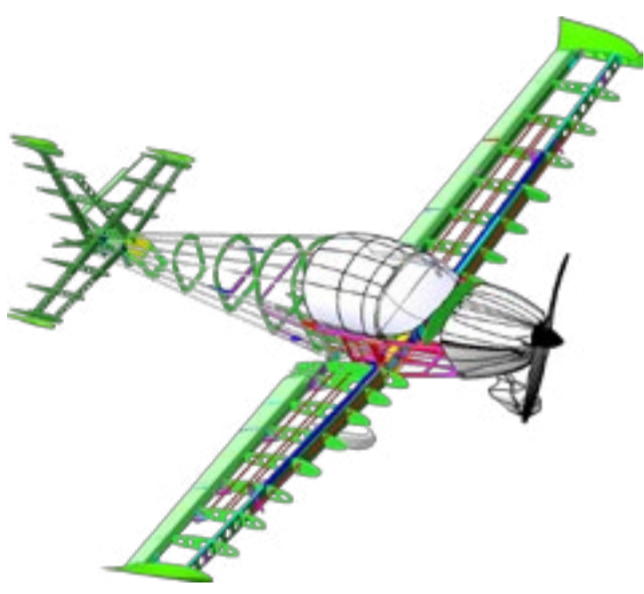




**2018 HAS STARTED OFF WITH THE CLOSURE OF THE FLIGHT TEST PROGRAM, GETTING THE DOA (DESIGN ORGANIZATION APPROVAL, EASA) AND THE START OF THE ASSEMBLY OF THE FIRST MODELS OF THE SONACA 200. IMPLEMENTATION OF AN AMBITIOUS INDUSTRIAL PROJECT CONDUCTED IN CLOSE COLLABORATION WITH THE SONACA GROUP.**

**Review of the Sonaca 200 static and fatigue analyses**

Sonaca Aircraft quite naturally turned to Sonaca for the sizing of the Sonaca 200. "The Sonaca Group has significant experience in the dimensioning and certification of aeronautical structures for aircraft in the CS-25 category for which the certification criteria are much more stringent than those of the Sonaca 200" pointed out Carl Dewandel, Structure Compliance Manager, Sonaca Aircraft.



The Sonaca 200 static and fatigue analyses were fully carried out under the SONIA calculation environment. "SONIA is able to solve very complex problems such as impact resistance, de-icing, nonlinear behavior, cases of large deformation, fatigue analyses and damage tolerance, etc" explained Albert-Paul Gonze, Sonaca "Digital Methods" Department Manager.

In the specific case of the Sonaca 200, the digital model included the 800 parts and 15,000 rivets which make up the aircraft. SONIA has allowed us to accurately

calculate the safety coefficients and maximize the reliability of all the elements.

**EASA has issued the DOA certificate to Sonaca Aircraft**

In accordance with 216/2008 (EC) and 748/2012 (EU) Regulations, EASA has issued the "Design Organization Approval" certificate to Sonaca Aircraft (Part 21, section A, Subpart J.). To obtain the DOA, Sonaca aircraft had to demonstrate to the competent authorities that it has the necessary organization, procedures, authorities and resources to design and certify a CS-VLA type aircraft (in reference to the Sonaca 200).

"Getting the DOA proves that we have a high level of technical maturity and mastery of our product. Thanks to the DOA, Sonaca Aircraft will have the privilege to certify certain modifications or repairs. This will allow us to be very reactive towards customer requests" said Simon André, Head of Independent Monitoring at Sonaca Aircraft.

**Sonaca Aircraft has closed the flight tests**

After having successfully carried out the static test program as well as all the tests for stability, noise, vibration, performance and stalling, the Sonaca 200 closed its flight test program with the spin tests which proved to be conclusive.

The flight certification campaign is



now over. The Sonaca 200 will be EASA certified for a take-off weight (MTOW) of 750 kg and a cruising speed of 115 knots.

**First deliveries starting in March 2018**

The first aircraft are scheduled to be delivered in March of this year.

In 2018, Sonaca Aircraft will produce 3 aircraft per month and will increase its production capacity to 5 aircraft per month in 2019.

Our team is at your disposal to show you and let you try out the Sonaca 200.

Please contact us to make an appointment: [info@sonaca-aircraft.com](mailto:info@sonaca-aircraft.com)



Sonaca Aircraft is a subsidiary of the Sonaca Group, a major player in the development, manufacture and assembly of advanced structures intended for civil, military and space markets. With a starting capital of over 3 million euros, Sonaca Aircraft is 70% owned by the Sonaca aeronautic OEM. Sonaca Aircraft's main goal has been to develop, certify and market a new two-seater single-engined aircraft ("Sonaca 200"), which has been specially designed and adapted for flight schools and leisure flights.

**SONACA 200: TECHNICAL SPECIFICATIONS AND PRICE**

**ENGINE:**

- BRP Rotax 914 F – 115 hp

**SEATS:**

- Seating capacity: 2

**DIMENSIONS:**

- Wing span: 9.15 m
- Length: 7 m

**WEIGHT AND LOAD:**

- Weight empty: 445 kg
- Maximum take-off weight: 750 kg
- Fuel Capacity: 140 l (2 x 70 l)

**PERFORMANCE:**

- Max cruise speed: 115 knots
- Rate of climb: 750 feet per minute

**STRUCTURE :**

- Aluminum Alloy

**FUEL CONSUMPTION:**

- 18 l/hour

**PRICE:**

- Price: 175,000 euros excl vat (analog instrumentation version)

Please follow us and of interact with the whole Sonaca Aircraft team by e-mail or through the social networks.

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Web : [www.sonaca-aircraft.com](http://www.sonaca-aircraft.com)