

CARBOMAN GROUP TO SHOWCASE CARBON FIBRE FUSELAGE IN COLLABORATION WITH EVIATION AIRCRAFT AND ANNOUNCE CAPACITY EXPANSION FOR AERONAUTICAL AND NEW MOBILITY SECTORS AT THE PARIS AIR SHOW 2019



Carboman Group (Carboman) the market leading group specializing in development, prototyping and the manufacturing of high-end composite structures, today announced that it is collaborating with Eviation Aircraft, a global manufacturer of all-electric air mobility solutions, on Eviation's Alice - an all-electric aircraft structure that will debut at the 53rd Paris Air Show in Le Bourget.

Carboman will also showcase composite parts for new mobility flying solutions and announce latest capacity expansions for aerospace customers in the aviation and space sectors at the aviation industry's largest show.

Demonstrations of a carbon fibre fuselage and components for new mobility sector

The synergistic structure of Carboman enables its component companies Multiplast, Decision, and SNE-SMM to collaborate efficiently with new entrants and established manufacturers. Carboman provide the perfect partner for early stage development of the design concept, prototyping and pre-series production in the aerospace composites sector.

Multiplast will present its new carbon fibre fuselage for Eviation's first all-electric regional aircraft that will debut at the show. The 9 pax Eviation Alice uses the lightest possible carbon fibre composite airframe to provide a cost-effective 650-mile range using a sustainable, low noise and zero-emission electric propulsion system.

Decision SA, with its history in aerospace composites having manufactured the carbon fibre structure of the Solar Impulse aircrafts HB-SIA and HB-SIB, will also launch components for several projects in the new mobility sector. These autonomous and piloted eVTOL crafts are a rapidly growing market and, with its extensive development and prototyping requirements, form a key part of the group's future strategy.

Expansions in Infrastructure

As a group, Carboman will also announce plans for expanding its production infrastructure for both aerospace tooling and components.

SNE-SMM, the Brittany-based composite tooling specialist, joined the group in late 2017. Now fully integrated into the Carboman family, SMM's 5-axis CNC equipment that includes a massive 46mx10mx5m CMS machine and team of 35, offer tooling from ultra-large prototyping moulds to high temperature composite tools for serial production.

In addition, Decision SA will also add a new aerospace certified 2.2mx6m 250°C 10bar autoclave at its Ecublens site, significantly upscaling the size of structural components that can be produced for aerospace customers.

"Our mission at Carboman has always been to develop the construction methods for tomorrow's composite structures and we are excited to be working on so many aerospace projects now. Combining the highest technical standards with an ultra- efficient European infrastructure and quality standard, Carboman are perfectly placed to deliver the next generation of high-performance carbon fibre aerostructures and components" comments Dominique Dubois, CEO, Carboman Group.

"We are pleased to welcome Carboman, one of the leading composite structure developers, to the global ecosystem of world-class partners that are supporting us as we bring the first all-electric zero-emission plane, Alice, to market," comments Omer Bar-Yohay, Eviation CEO. *"Our goal is to change how people move, and together with Carboman, we're providing more than simply an environmentally-friendly, affordable way to travel – we're designing the new era of air mobility."*

The full Carboman team will be available on booth H2B – B67 in Hall 2 throughout the show where visitors will experience aviation's new icon – the first fully operational Alice – in Le Bourget.