

## JEC WORLD PARIS 2022

# FAIRMAT and TARMAC Aerosave sign a major R&D contract for the recycling of carbon composites from end-of-life aircraft

*FAIRMAT, the French deeptech specializing in the virtuous recycling of carbon composites, announces a first R&D agreement to recover the carbon-fiber-based composite parts contained in end-of-life aircraft dismantled and recycled by TARMAC Aerosave, a subsidiary of Airbus, Safran Aircraft Engines and Suez. FAIRMAT will recover them and assess the possibilities of giving them a second life. If successful, a commercial agreement covering the industrial recovery of these carbon composites could be signed.*

**Paris, Wednesday, May 3, 2022 - 8:30 am** – FAIRMAT, the French deeptech specializing in the virtuous recycling of carbon composites, and TARMAC Aerosave, the European leader in the storage, maintenance, transition and recycling of aircraft (whose structures increasingly include composites), today announce the signing of a major R&D contract.

As part of this partnership, a portion of the end-of-life aircraft parts containing carbon-fiber-based composites processed by TARMAC Aerosave will be collected by FAIRMAT, which will transport them to FAIRMAT's production site, FAIRFACTORY, located in Bouguenais (Loire-Atlantique, France). Their compatibility with FAIRMAT's industrial process and the possibility of giving them a second life will then be analyzed.

If successful, a commercial agreement covering the industrial recovery of all carbon-fiber composite parts could be signed with TARMAC Aerosave.

### **FAIRMAT continues the industrial rollout of its technology**

FAIRMAT has developed a virtuous recycling process capable of making the production of carbon-fiber-based composites circular, thereby giving a second life to this high-value-added material. The carbon and resin are mainly processed cold, which notably reduces energy costs and avoids the landfilling or incineration usually practiced. Thanks to this process, FAIRMAT generates a positive impact on the environment, avoiding 41 kg of CO2 emissions per kg of recycled carbon composite. FAIRMAT is targeting a capacity of 5,000 tonnes of recycled materials per year at this first production site.

**Alexandre Brun, President of TARMAC Aerosave**, says: *"We are delighted to have signed this partnership with FAIRMAT, which we believe is extremely promising. It will allow us to effectively complement our recycling offering by significantly increasing the recovery rate for each aircraft. Its promising technological process is an essential industrial innovation for giving a second life to aircraft parts that are no longer airworthy. Moreover, this partnership enables TARMAC Aerosave and Fairmat to be ready to recycle latest-generation parts from long-haul aircraft whose structures increasingly include composites, such as the A380, the A350 and the B787."*

**Benjamin Saada, Founder and President of FAIRMAT**, adds: *"After industrial production offcuts, carbon-fiber composite materials from dismantling are the second source of waste that we absolutely must capture in order to stop landfilling and incineration. This R&D contract with TARMAC Aerosave positions Fairmat as one of the world's technology leaders in the fight against CO2 emissions from the dismantling of carbon composite parts. A strategic challenge for the entire European aeronautics, wind power and, now, hydrogen industries".*



#### **About FAIRMAT**

Founded in 2020 by Benjamin Saada, FAIRMAT is a French deeptech whose ambition is to revolutionize the recycling of carbon-fiber-based composites. Thanks to its breakthrough technology, FAIRMAT creates a sustainable future for composites and more environmentally friendly industrialization over the long term.

More information at: [www.fairmat.tech](http://www.fairmat.tech)

#### **About TARMAC Aerosave**

Created in 2007 in Tarbes (France), in 2013 in Teruel (Spain) and established in 2017 in Toulouse-Francazal, TARMAC Aerosave offers the largest aircraft and engine storage capacity in Europe, backed by expertise in the transition, maintenance and recycling of aircraft and of CFM56 and LEAP 1A/B engines. The three sites can accommodate up to 280 aircraft, and the maintenance activity covers all commercial platforms (Airbus, Boeing, ATR, Embraer). A dedicated engine shop also handles engine storage, maintenance and dismantling. With an environmentally conscious approach, TARMAC Aerosave continues to develop advanced dismantling and recycling techniques, recognized by ISO 14001 certification, and achieves a recovery rate of more than 90%. TARMAC Aerosave also holds ISO 9001, EN 9110 and EN 9120 certifications, as well as EASA/FAA Part 145 and EASA Part 147 approvals. With solid shareholders (Airbus, Safran Aircraft Engines, SUEZ), TARMAC Aerosave has, over 15 years, welcomed 1,300 aircraft, redelivered more than 830 aircraft and recycled 325 aircraft and 170 engines.

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