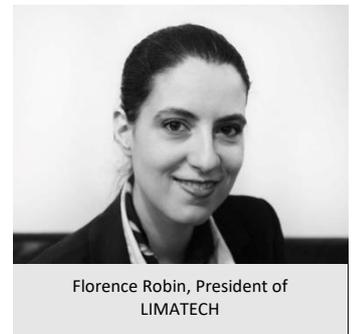




**#innovation #energy transition #green technologies
#aeronautics #european funding**

LIMATECH to receive €2 million funding from the European Union to accelerate the switch to sustainable mobility in the aerospace sector

LIMATECH, the startup which originated from the CEA and was created in 2016 by Florence Robin and Maxime Di Meglio, has risen to the challenge of an innovative industrialization concept for smart and safe lithium batteries for aircraft, helicopters and drones. In the current context of energy transition, LIMATECH will, without question, be involved in the decarbonization of air traffic. The company, with bases in Toulouse, the European aerospace capital, and Grenoble, in the heart of the electronic eco-system, has thus just received 2 million euros, under the Green New Deal (the European Commission's green energy funding plan). It plans to hire 30 to 40 additional staff in 2021 and 60 in 2025... Focus...



The Green New Deal looks to green technologies to accelerate the energy transition

In December 2019, the President of the European Commission, Ursula Von Der Leyen launched a vast green energy funding plan to decarbonize and relaunch the European economy: the Green New Deal. In order to boost the emergence of eco-responsible technologies, the EIC Accelerator (the branch of the European Commission responsible for supporting innovative startups and SME's) launched a "Green Deal" call in May 2020. The aim of this round was to identify Europe's most strategic startups in the field of energy transition.

LIMATECH's strategic technology to address Europe's green mobility challenges

Of the 2,071 European applications submitted in response to this call, French startup LIMATECH was selected on the basis of its first candidature, as one of the 64 European winners, including 11 French companies. This achievement was due to LIMATECH's breakthrough battery technology allowing the total adoption of lithium in the aeronautics sector, with the promise of removing the barriers to on-board energy storage and of increasingly electrifying aviation.

In a first phase, LIMATECH's batteries will replace technologies which are highly polluting and toxic (CMR: carcinogenic, mutagenic or reprotoxic), such as lead and nickel cadmium. Thanks to the energy performance of its first range of batteries, **LIMATECH will help reduce the carbon impact of air traffic by around 1 million tonnes of CO2 in the first 5 years following its commercial launch.**

The benefits of lithium batteries

Although more efficient, lithium batteries are not used in commercial aircraft due to the fire risk. In contrast to lead or nickel-cadmium batteries, however, lithium batteries are fitted with an electronic card to control modules, in order to avoid thermal runaway in the event of a short-circuit or deep discharge.

Subsidy of 2 million euros to fund 24V smart batteries for the entire aviation sector

The European Commission, via the EIC Accelerator, is granting LIMATECH a subsidy of 2 million euros. This funding will be targeted on the aeronautical certification program for LIMATECH's first 2 products in the 24V range. *"With this support from the European Commission, we can now seriously accelerate the launch of ETSO standardized lithium batteries on the market,"* says President Florence Robin.

"This proposal will allow aircraft manufacturers such as AIRBUS and DASSAULT to improve the performance of their aircraft by adopting lithium technology as it is now safe," adds CEO Maxime Di Meglio. The success in the EIC call, at its first attempt, is an acknowledgment of the company's technological and organizational maturity.

The start of a wonderful collaboration with the European Commission and the promising roll-out of even more ambitious funding

"This funding will allow us to roll out our strategy more quickly and marks the start of a wonderful collaboration with the European Commission. Discussions are under way to roll out an even more ambitious funding program...", announces President Florence Robin.



ABOUT LIMATECH

LIMATECH is a startup originating from the CEA and created in 2016 by Florence Robin and Maxime Di Meglio.

SAS [simplified joint stock company] with a capital of €182,128: The founders with 70% ownership (Florence Robin, Maxime Di Meglio and Marc Beranger), Finple de Consultim Groupe, BPI and business angels.

Workforce: 10 people currently / Forecast workforce in 2025: 60 people.

Current production sites: TOULOUSE (31) / R&D Laboratory: GRENOBLE (38.)

2025 objectives: To assemble 9,000 12V and 24V batteries per year, aiming for a turnover of 10 million euros.

A brief history:

Late 2016: Creation of the company LIMATECH, by Florence Robin and Maxime Di Meglio ... How did it start? In mid-2016, a researcher at the CEA, Marc Beranger, a microlight enthusiast and the uncle of Florence Robin, starts to build his own aircraft... And he looks to the CEA's laboratories (Leti) to improve battery performance. The issue of technological choice then arises. While lithium-ion has advantages over other technologies on the market, in particular in terms of weight and service life, operating safety is its Achilles heel.

Not a problem! Just a few months later, a patent on improved safety and optimization of lithium-ion batteries is filed and, in October 2016, the researcher joins forces with Florence Robin, mechanical and industrialization engineer, and Maxime Di Meglio, software development engineer, to create LIMATECH.

Today, Florence Robin is President of the company, and Maxime Di Meglio, the CEO.

2017: The startup develops, together with CEA-Leti, a patented improved safety and optimization system for lithium batteries, allowing them to achieve a very high level of reliability: one failure per thousand hours of use.

2019: It wins the Airbus Development aeronautical innovation prize.

November 2020 : LIMATECH receives a €2 million subsidy from the European Union.

Potential market: 700 million euros/year

Commercialization date: 2023



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No [number]