

**Press release**

Thursday, April 24, 2025

TAKE KAIR, PROJECT FOR A PRODUCTION PLANT OF E-FUEL FOR THE DECARBONISATION OF AIR TRANSPORT, WINNER OF THE CARB'AERO CALL FOR PROJECTS

On 23 April, the Minister of Transport announced the winners of the CARB'AERO call for projects for France 2030. This scheme aims to finance the development of a French production sector for sustainable aviation fuels. The Take Kair project, led by Hynamics, the EDF Group's hydrogen subsidiary, and Meridiam, a company with a mission for investment and long-term management of sustainable public infrastructure, is one of the 4 winners.

Take Kair is an innovative project for the construction and operation of a synthetic fuel production plant, e-kerosene, on the Nantes Saint-Nazaire Port in Donges (44). E-kerosene, produced from renewable and low-carbon hydrogen, is indeed one of the solutions to limit CO2 emissions and contribute to the fight against global warming.

Take Kair will thus make it possible to divide CO2 emissions by 5 compared to the use of fossil-based kerosene.

The deployment and incorporation of synthetic fuels in kerosene are the main lever for decarbonizing air transport, in addition to the sobriety of uses and the improvement of the energy efficiency of aircraft. The incorporation obligations mentioned in the ReFuel EU regulation that are imposed on aviation fuel distributors offer significant prospects for the consumption of e-kerosene and therefore low-carbon and renewable hydrogen until 2050.

In a world that is actively seeking sustainable solutions to fight climate change, **Hynamics** has emerged as a key player in the development, construction and operation of renewable and low-carbon hydrogen production infrastructure. With its experience in the decarbonization of heavy mobility and industrial processes, Hynamics is developing a project through Take Kair to indirectly electrify, through the manufacture of synthetic fuels produced from electrolytic hydrogen, new sectors such as aviation.

Meridiam is a specialist in the infrastructure of tomorrow, particularly in the areas of sustainable mobility and innovative clean solutions. With more than €87 billion in invested capital since its creation, Meridiam contributes to the operation, construction or development of more than 130 assets worldwide.

Print this press release only if you need it.

HYNAMICS8-10 Avenue de l'Arche – Colisée Gardens
92400 COURBEVOIE
www.hynamics.fr**Press Contact**EDF Press : service-de-presse@edf.frIuliana ANDRONACHI: +33(7) 61 71 04 77
Géraldine POIRAUT-GAUVIN : +33(7) 86 10 37 83

Philippe TABAROT, Minister of Transportation said : « *The emergence of a sustainable synthetic aviation fuel production sector on national soil is a great opportunity for France to control the last link in the air transport value chain. Today, the announcement of the winners of the CARB'AERO AAP anchors the ecological transition at the very heart of our country's industrial policy, by structuring an ecosystem of innovation, know-how and production, in the service of our sovereignty and competitiveness. This is a major step for the decarbonisation of air transport.* ».

Christelle ROUILLE, CEO of Hynamics: *"Take Kair is of major importance for Hynamics and the EDF Group because it is our largest hydrogen production project in France. Equipped with a 200 MW electrolyzer, Take Kair will make it possible to produce nearly 50,000 tonnes of synthetic molecules per year by 2030, including 37,000 tonnes of e-kerosene. This will represent more than a third of the objective of incorporating e-kerosene imposed by the European Union in the French aeronautics sector by 2030. Take Kair is fully in line with the EDF Group's raison d'être: to build a CO₂-neutral energy future, reconciling the preservation of the planet, well-being and development, thanks to electricity and innovative solutions and services."*

The Take Kair project is supported by the Government as part of the France 2030 plan operated by ADEME for an amount of €16.6 million. This participation will contribute to the financing of the conduct of the engineering studies of the Take Kair project.

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HYNAMICS
8-10 Avenue de l'Arche – Colisée Gardens
92400 COURBEVOIE
www.hynamics.fr

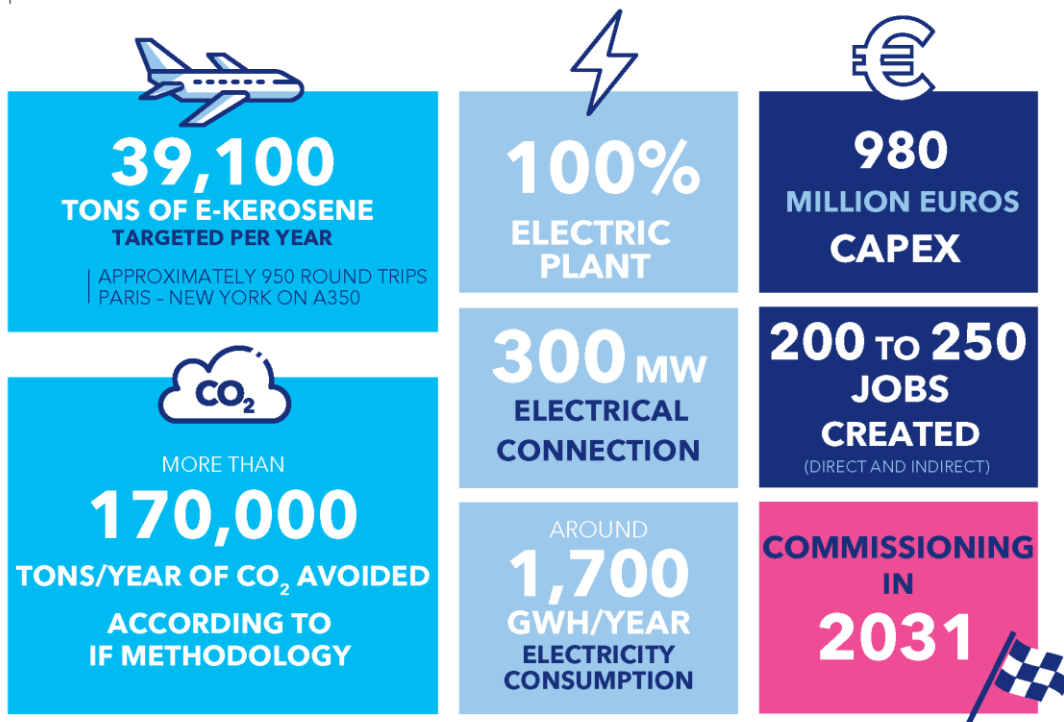
Press Contact

EDF Press : service-de-presse@edf.fr

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Géraldine POIRAUT-GAUVIN : +33(7) 86 10 37 83

Key figures of the project

KEY PROJECT FIGURES



About Hynamics

Hynamics, a subsidiary of the EDF Group, offers industry and mobility players a turnkey offer for the production, storage and distribution of low-carbon and renewable hydrogen, by ensuring the investment, operation and maintenance of production and distribution facilities.

To go further: www.hynamics.com

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