

// FRENCH FIRM TO REVIVE 1930s AVIATION BRAND

Avions Mauboussin is developing a hybrid hydrogen-fuelled aircraft under the Mauboussin French aviation brand from the 1930s.

The Belfort, France-based company was founded in 2017 and is developing two aircraft, the Alérion M1h, a two-seater hydrogen hybrid, and the Aloyon M3c, a six-seater hydrogen hybrid. Both are being designed to be clean and silent short take off and landing (STOL) aircraft.

Aircraft made by Pierre Mauboussin in the 1930s broke endurance and speed records and were known for being efficient with low powered engines and aerodynamic designs.

The first flight of the Alérion M1h is planned for 2022. The company then plans to integrate a hydrogen-powered turbine into the aircraft and fly and certificate it by 2025.

Belfort, France

// TÜV SÜD OPENS ITALIAN TESTING LABORATORY

TÜV Italia has opened its new testing laboratory in Volpiano near Turin, incorporating its facilities with industrial testing company Bytest at a single site.

TÜV Italia, the Italian subsidiary of TÜV SÜD, employs more than 600 employees and has a network of 400 partners. Bytest, which is focused on industrial product testing and non-destructive testing (NDT), was acquired by TÜV Italia in 2012.

TÜV Italia and Bytest's facilities were previously located at different sites in Piedmont, Italy. The new buildings at Volpiano have equipment for product testing, NDT and other tests and analyses for the industrial sector.

The project to join the laboratories was launched in summer 2019 and according to TÜV SÜD has created one of the largest independent test laboratories in Europe and the largest in Italy.

Volpiano, Italy

// BOEING POWERS UP LOYAL WINGMAN DRONE

Boeing Australia powered up the turbofan engine for its first Loyal Wingman aircraft for the first time as part of ground testing and preparations for the unmanned drone's first flight.

The milestone comes shortly after Boeing completed the first unmanned Loyal Wingman aircraft for the Royal Australian Air Force earlier this year, a major step forward for the unmanned vehicle serving as the foundation of the global Boeing Airpower Teaming System, an artificial intelligence-powered teaming aircraft.

The aircraft is one of three prototypes that will be developed as a part of the Loyal Wingman program, which is one of the most advanced projects in the world to develop a manned unmanned teaming (MUM-T) concept. MUM-T concepts involve a drone supporting a piloted aircraft during missions.

Boeing plans to conduct the Loyal Wingman's flight this year.

Brisbane, Australia

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French firm to revive 1930s brand with hydrogen-hybrid aircraft



BY BEN SAMPSON ON 25TH NOVEMBER 2020

ELECTRIC & HYBRID



Artist's impression of the Alcyon M3c during flight (Image: Avions Mauboussin)

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