

# Follow your passion Fly ours







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## **BLUE SPIRIT AERO**

#### **THE FOUNDER**



Blue Spirit Aero (BSA) was founded in mid-2020 by Olivier SAVIN, a hydrogen expert who has for over 25 years worked on implementing hydrogen in different airborne applications, from integrating hydrogen fuel cells into the space shuttle with Honeywell in California to managing several hydrogen projects at **Dassault Aviation** in Paris.

#### **OUR GOAL**

BSA is developing a family of innovative zero-emission aircraft that enable quiet flight, provide unrivalled safety and feature low operational costs. These benefits are achieved through a clean sheet design of a new aircraft architecture integrated with multiple hydrogen electric powertrains (called PODs). At BSA, we believe that the best solution is the **Distributed Electric Propulsion (DEP)** paired with small size fuel cells.



#### **OUR PARTNERS**





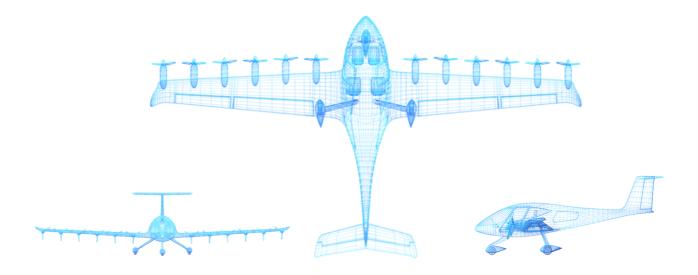








# THE DRAGONFLY



PERFORMANCES	
Number of seats	4
Ground take-off distance	< 300 m (< 985 ft)
Service ceiling altitude	3 050 m (10 000 ft)
Climb rate	> 4 m/s (> 785 ft/min)
Stall speed flaps extended	< 100 km/h (< 55 kts)
Cruise speed	> 250 km/h (> 135 kts)
Maximum range	> 700 km (> 375 nm)
Maximum take-off mass	< 1 600 kg (< 3 550 lbs)
Useful payload	> 350 kg (> 700 lbs)
H2 refill time	< 10 min

### THE TIMELINE

**Concept Development** 2020 **CREATION OF BSA Numerical Design Study Digital Twin PRELIMINARY** 2021 **Architecture Optimisation DESIGN** Wind Tunnel Campaign **PHYSICAL** 2022 In-Flight Fuel Cell Testing **DEMONSTRATORS** Flying Mock-up (RC model) **Subsystem Integration** 2023 PROOF OF CONCEPT **Ground Tests Full Size Demonstrator** 2024 Flight Testing Campaign **FIRST FLIGHT** for Certification **Launch of Production** 2025 **MANUFACTURING Certification Campaign CERTIFICATION** 2026 **Entry Into Service** 



