



COMMERCIAL FLIGHT. 100% ELECTRIC.

INTRODUCING THE MICROLINER:
A CLEAN, COST-EFFECTIVE AIRCRAFT
FOR SHORT-HAUL MOBILITY

THE MICROLINER:

UNLOCKING THE POTENTIAL OF REGIONAL FLIGHT



Electric flight by 2030.

VÆRIDION is transforming regional air travel by bringing 100% electric, regional aircraft to market by 2030. Our goal is to introduce air mobility to places where it's needed most—where airports exist, but remain underused. We're making electric flight accessible, cost efficient, and built for today's climate-conscious world.

No science fiction, just real, achievable, zero emission travel before 2030.

2022

Company Launch

Hiring of the core team. Initial concept review and conceptual aircraft design.

2024

Technology Validation

Proof-of-concept demonstration of multi-engine propulsion and of battery modules.

2025

Preliminary Design Review

Confirmation of the aircraft design and selection of key suppliers.

2027

Compliance Demonstration Testing

Type conforming prototypes in ground and flight test campaigns.

2029

Certification and Manufacturing

EASA Type Certification followed by FAA certification. Serial production launch.

2030

Entry into Service

Customer aircraft deliveries and commercial operation.

WHY AIR TRAVEL MUST CHANGE?

THE CASE FOR A NEW KIND OF AIRCRAFT

In many regions, ground transport is slow or unavailable. Yet conventional aircraft aren't a viable alternative—they're too costly and inefficient for short-haul routes. As a result, fast and reliable air travel remains out of reach where it's needed most.

At the same time, the aviation industry must decarbonise—and fast. We need a new solution for short-distance travel. One that's affordable, accessible, and sustainable.

DESIGNED FOR EFFICIENCY

IT ALL STARTS WITH THE WING

Inspired by gliders, our design focuses on reducing drag and maximising lift for ultraefficient flight. By integrating the batteries directly into the wing, we reduce weight and boost performance, delivering up to 400 km of fully electric range, excluding reserves. That's enough to cover more than 80% of turboprop routes in Europe.

The result?

A 100% electric aircraft that carries up to 9 passengers + 2 pilots, cost-effective, clean and built for regional travel. Connecting over 2,300 airports across Europe, our Microliner opens new routes between regions underserved by road, rail, or ferry, and too costly to reach with conventional aircraft.



Up to
9
passengers + 2 pilots

Delivering up to
400km IFR
of fully electric range

Connecting
2,300
airfields across Europe

MEET THE MICROLINER

The Microliner is a next-generation 100% electric aircraft designed from the ground up for regional missions.

Affordable. Lowest cash operating cost in its class – reconnecting remote and underserved regions at a competitive cost.

Energy-efficient & clean. The most energy-efficient mode of transport, with zero CO₂ emissions, zero NO_x, no contrails during flight and 8x less noise than conventional turboprops.

Efficient cockpit design. Built for single-pilot operations, equipped with dual flight-deck for flexibility.

Advanced battery system. State-of-the-art battery technology designed to meet the demands of most short-haul flights.

Optimised propulsion. Multi-engine, single propeller to increase both safety and performance.

Fast track certification before 2030. Targeting EASA CS-23 certification to enable fastest market entry and serial production.



TECHNICAL DATA

Dimensions

Wingspan	23.99 m / 75.45 ft
Length	13.51 m / 44.34 ft
Height (to static ground)	4.76 m / 15.63 ft

Capacity & Weights

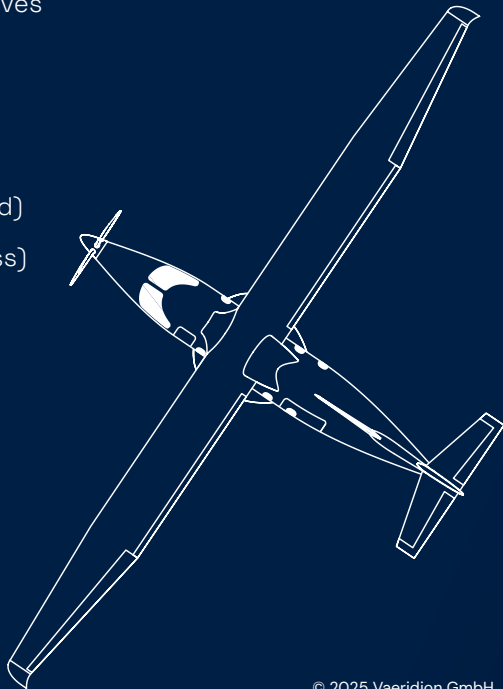
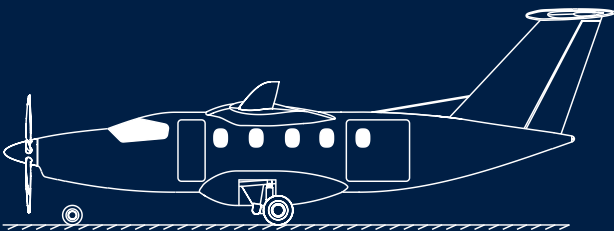
Seating Capacity	9 PAX + 2 pilots
MTOW	5,700 kg / 12,500 lbs
Useful Load	1,000 kg / 2,204 lbs (this includes pilots)
Max Cargo Volume	10 m ³

Cabin Dimensions

Cabin Height	146 cm / 57.5"
Cabin Width	162 cm / 63.8"
Cabin Width (Floor)	127 cm / 50.0"

Performance & Range

Maximum Cruise Speed	190 KEAS / 235 KTAS at ceiling
Range	400 km (215 nm) + commercial IFR reserves
Max Operating Altitude	20,000 ft
Typical Charging Time	< 40 min
Peak Charging Power	up to 800 kW
Take-Off Distance	800 m / 2,625 ft (MTOW, SL, ISA+0, paved) 1,000 m / 3,281 ft (MTOW, SL, ISA+0, grass)



BUSINESS-CLASS STANDARDS AT ECONOMY PRICES

Experience the ultimate comfort of flying electric. Designed with frequent travellers in mind, the Microliner's aisle width is comparable to today's single-aisle commercial aircraft, making the 9-seat cabin feel familiar and easy to move through.



Smart storage

A dedicated rear luggage compartment keeps the cabin open and uncluttered. A lavatory can be included on request.

Flexible interior layouts

Whether you need more space, fewer seats, or mission-specific configurations like cargo or air ambulance, the Microliner is designed to adapt to your needs.



STRENGTHENING EUROPE'S NETWORK



Eco-Friendly Island Hopping in Greece

Explore Greece like never before. With a range of over 400 kilometres, the VÆRIDION's aircraft connects smaller island airports to Athens, and to each other.

It's the perfect solution for linking local communities and offering travellers a fast, quiet, and sustainable way to experience the islands.

Connecting Scandinavia

With its distinctive geography and global leadership in green mobility, Scandinavia is the ideal home for the Microliner.

Our fully electric aircraft strengthens regional ties and improves domestic connectivity – making it easy to fly from Oslo to Bergen, Trondheim, or even Stockholm – all with zero emissions.



CONNECTING REGIONAL AIRFIELDS TO SAVE TIME AND COST

Optimised for short-haul missions, the Microliner is engineered to serve many underutilised airfields, including destinations covered by Public Service Obligation routes in Europe, as well as the Essential Air Service programme in USA.

Zero-Emission Flights Just Minutes from Manhattan

With fully electric propulsion, our aircraft aims to slash operating costs and eliminate emissions—making clean air travel not just possible, but practical.

Fly effortlessly from Manhattan (JFK) to Cape Cod (HYA) or Washington, D.C. (DCA). With a range of over 200 nautical miles, the Microliner connects regional airports while avoiding the congestion and delays of major hubs, and doing it all sustainably.





ENGINEERING THE FUTURE OF SUSTAINABLE AVIATION

ZERO-EMISSIONS.COMMERCIAL FLIGHT.THIS DECADE.

2021

Founded in Munich.
Office in Delft since 2023.

60+

employees representing
more than 20 nationalities.

+250

years of aerospace
experience.

10

separate electric
demonstrator programs.

WE'RE NOT JUST IMAGINING THE FUTURE, WE'RE BUILDING IT.

It's simple: the future of aviation is electric.

Our mission is to bring clean, cost-effective, certified aircraft to regions where airports exist but remain underused—making regional air travel more accessible, inclusive, and sustainable for all.

Whether you're renewing your fleet, launching new routes, or exploring electric aviation for the first time, we're ready to talk.

Please visit
our website



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