



TE RANGI

YOUR FUTURE OF SUSTAINABLE REGIONAL AIR TRAVEL



Introducing the TE RANGI

TE RANGI IS A ZERO-EMISSION AIRCRAFT THAT LEVERAGES CUTTING-EDGE TECHNOLOGY TO MEET REAL-WORLD TRANSPORTATION NEEDS WITH EXCEPTIONAL COST EFFICIENCY

Offering an affordable and fast solution for the daily regional transport of people and goods, TE RANGI positions aviation as a vital driver of regional economic growth. With its long-range capabilities, STOL performance, and minimal runway requirements, TE RANGI connects even the most remote communities, providing a highly accessible, convenient, and eco-friendly transportation solution. Enhance your fleet with an aircraft that is not only cost-effective and mission-capable but also fully compliant with future environmental standards. Lead the future of aviation with TE RANGI.

Climate

ZERO-EMISSION FLIGHT WITHOUT RELIANCE ON LIMITED SUPPLY OF SAFS AND CARBON OFFSET CREDITS.

Cost Efficiency

LOWER OPERATING COSTS THROUGH MINIMAL MRO AND HIGH FLEET UTILIZATION, ENABLED BY STREAMLINED PREFLIGHT MAINTENANCE PROCEDURES.

Connectivity

LONG-RANGE CAPABILITY, STOL PERFORMANCE, AND LOCALLY PRODUCED FUEL ENSURE SEAMLESS AND RELIABLE SERVICE TO ALL COMMUNITIES.

TRUE ZERO

TE RANGI is a cutting-edge general aviation aircraft powered by hydrogen fuel cells and electric propulsion, offering a truly zero-emission solution for regional air travel. Unlike conventional jets or turboprops, it produces no CO2 or NOx emissions, setting a new benchmark for sustainability in aviation. By using green hydrogen, TE RANGI can eliminate up to 616 kg of CO2 per flight hour compared to a Cessna 208B.

The practical benefits for operators adopting zero-emission aircraft like TE RANGI are clear. It enables long-term sustainable operations without dependence on the limited supply of low-emission fuels or the need to purchase carbon offset credits. TE RANGI is a future-proof solution that elevates environmental responsibility in regional aviation.



Maximize Profit with Lower Costs



LOW MAINTENANCE COSTS



NO BATTERY REPLACEMENT COST



OVERHAUL SUBSCRIPTION



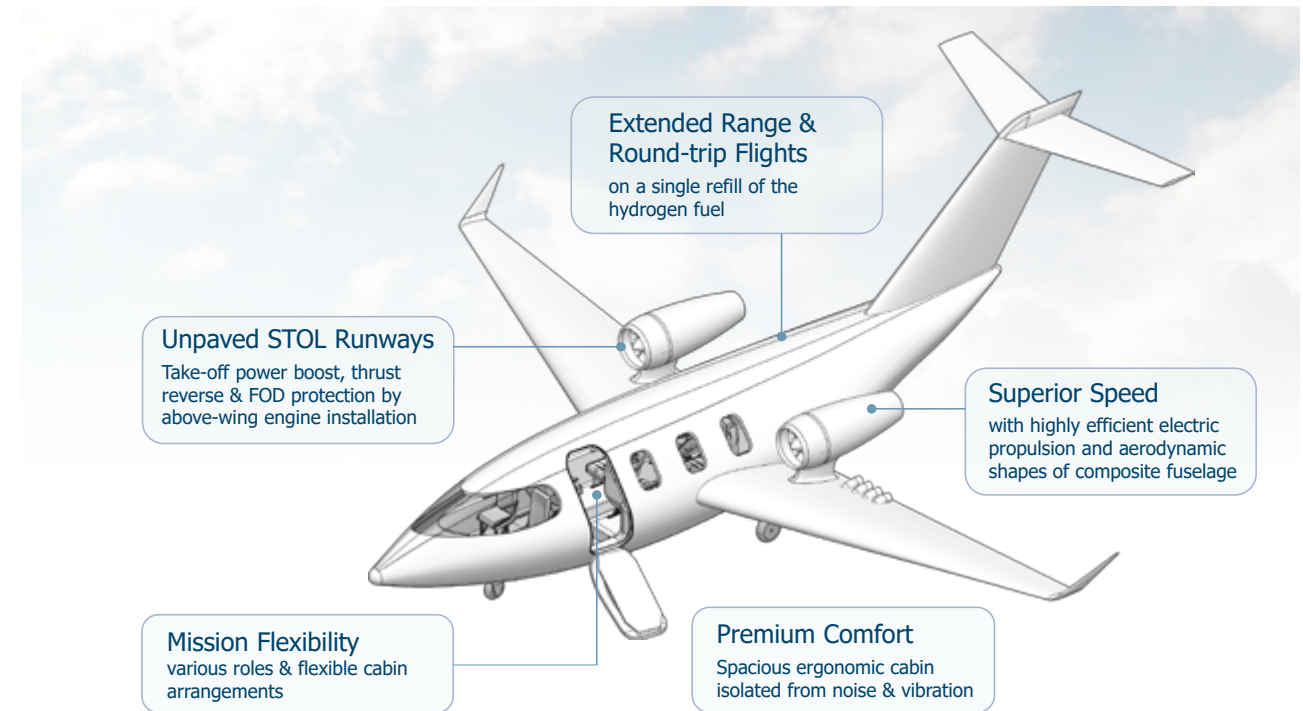
NO EMISSION FEES

TE RANGI offers substantial cost savings by reducing both overhaul and maintenance expenses commonly associated with traditional aircraft. Conventional engines and propellers require frequent overhauls and ongoing maintenance, which are both expensive and time-consuming. In contrast, TE RANGI's hydrogen-electric propulsion system significantly simplifies the maintenance procedures and lowers overhaul costs through a flight-hours-based overhaul subscription model, providing operators with predictable, long-term financial benefits.

Additionally, TE RANGI avoids the need for large electric batteries that degrade over time and require frequent, costly replacements. This allows operators to enjoy the low operating costs of electric propulsion without the ongoing burden of maintaining mission-ready batteries, making TE RANGI a highly efficient, cost-effective solution for sustainable aviation.

ESTIMATED HOURLY VARIABLE OPERATING COSTS SUMMARY

	EU	USD
Fuel	€122	\$112
Maintenance (labor+consumables)	€105	\$108
Overhaul subscription	€30	\$33
Landing / Parking	€18	\$20
Carbon Offset	€0	\$0
TOTAL	€275	\$273
TOTAL PER SEAT	€30	\$30
CASK (Cost of Available Seat Km)	€0.067	\$0.067



STREAMLINED AIR CONNECTIVITY

TE RANGI is purpose-built for regional connectivity, offering operators the flexibility to optimize travel time and cost by adjusting speed and payload based on the required distance. With a 440 km round-trip range on a single refill, it's well-suited for phased service rollouts centred around key regional hubs. Its flexible

payload options, versatile configurations, and ability to operate from unpaved STOL runways make TE RANGI an ideal replacement for various aircraft in current fleets. It excels in serving destinations where larger aircraft are restricted by short runways or lower passenger demand.



TAILORED FOR REGIONAL NEEDS



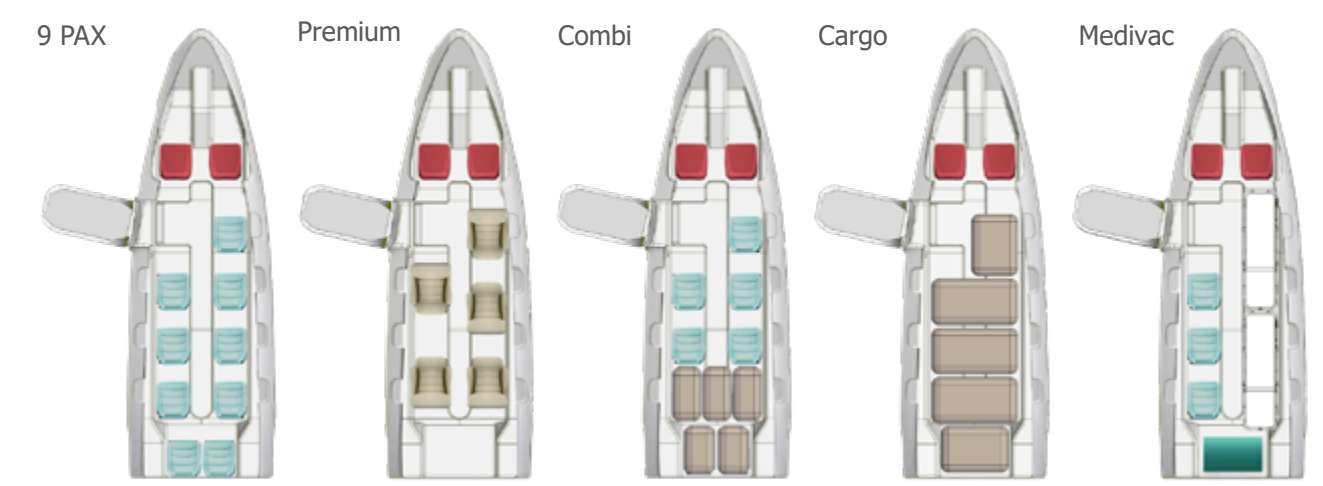
THE FUTURE OF REGIONAL AIR MOBILITY STARTS HERE



SPECIFICATIONS

CAPACITY		
Crew	1 or 2	
PAX	9	
Payload, up to	3,750 lbs	1,700 kg
PERFORMANCE		
Maximum Cruise Speed	314 KTAS	580 km/h
Maximum Cruise Altitude	30,000 ft	9,144 m
Extended IFR Range	1,350 nmi	2,500 km
Return IFR Range	237 nmi	440 km
Takeoff Distance	1,850 ft	566 m
Landing Distance	1,950 ft	595 m
Max Take-off Weight	12,500 lbs	5,700 kg
EXTERNAL DIMENSIONS		
Length	47'7"	14.5 m
Wing Span	50'10"	15.5 m
Height	16'1"	4.9 m
PROPULSION		
Power Supply	Hydrogen Fuel Cells	
Power Plant	2x Electric Fans	
Peak Thrust	11.49 kN/each	

CONFIGURATIONS



TE RANGI offers versatile configurations to meet a wide range of operational needs, making it an adaptable and cost-effective solution for various sectors. The aircraft can be configured for passenger transport, air freight, or special missions like medical evacuation and long-range air surveillance. What sets TE RANGI apart is its flexibility. Operators can easily adjust the aircraft's configuration to suit specific requirements, enabling quick transitions between different roles. Whether carrying up to 9 passengers, transporting cargo, or being fitted for specialized equipment, TE RANGI ensures that operators can maximize its utility and efficiency. This adaptability makes it an ideal choice for operators who need to serve multiple functions without the need for separate, dedicated aircraft.

TE RANGI

hydrogen aircraft



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Share your
insights in our
quick survey

**YOUR FEEDBACK
DRIVES INNOVATION!**