

JAUENT

Jaunt Journey eVTOL Overview



An AIRO Group company

www.jauntairmobility.com

THE AIRO GROUP



AIRO is a multi-faceted air mobility, autonomy & aerospace company with differentiated technologies and capabilities that address high growth market trends across the entire Aviation & Aerospace ecosystem

Advanced Avionics

- The Advanced Avionics division provides electronic systems used on aircraft
- Areas of application include:
Communications, navigation, monitoring, flight-control systems, AI, collision-avoidance systems, radar or electro-optics



ASPEN AVIONICS™

Mission-Critical Technologies

Extensive Civil and Military Reach



Training

- The Training division provides professional training services within the Aviation & Aerospace and Defense industries
- Areas of application include
Adversary air services, aircraft leasing & training, aviation consulting services for militaries around the world



Electric Air Mobility

- The Electric Air Mobility division provides both passenger and cargo transportation aircraft
- Areas of application include:
Scheduled air transit, automation of intra-logistics, cargo delivery, supply of medical goods, and military missions



JAUENT

Innovative Aircraft

Value-Add Drone Services



SKY-WATCH

Commercial Drones

- The Commercial Drones division provides professional UAV platforms and services often used within civilian, commercial and military applications
- Areas of application include
Reconnaissance, attack and surveillance, inspection and weather analysis

THE ALL-ELECTRIC JOURNEY



Safe



Efficient



Quiet



Green



Full Hover Capability

Rotor and Wing Enable Safe Landing in Total Power Loss

Tilting Mast to Maintain Level and Comfortable Flight

State of the Art Fly-By-Wire Flight Controls

Main Rotor Slows for Efficient and Silent Operation

Height 14.85 ft
Length with Rotor 50 ft
MTOW 6,000 lbs
Hover Ceiling 5,000 ft

Yaw Control/Dual Propellers for Enhanced Reliability

175 mph
(280 km/h)

SPEED

55 dB cruise

SOUND

1 pilot + 4 passengers

PAYLOAD

80-120 miles
(130-190 km)

RANGE



300 piloted flight hours
1000+ takeoff/landings
Flew over 200 mph at 12,000 ft



Safe Landing Under Total Propulsion Loss

AUTOROTATION FROM ANY ALTITUDE

OR GLIDE LIKE AN AIRPLANE

8 sq miles (20 sq km) of landing area from a 1,200ft (365m) altitude

MANHATTAN TO JFK AIRPORT

Manhattan

Uber X



\$80

Helicopter



\$355

JAUNT

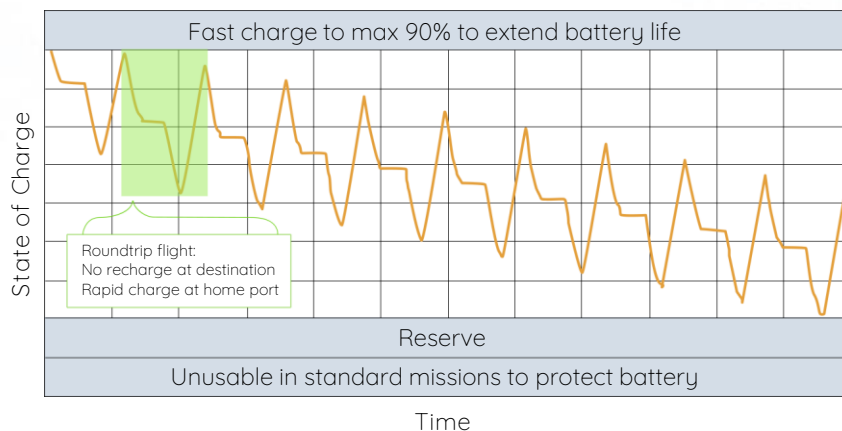


\$45

JFK International Airport

Faster, Safer and more Efficient than ground transportation

State of Charge vs. Time



The Journey will fly back-to-back trips during a typical rush hour, using rapid charging while on the ground between flights. In the early days of AAM, we expect fast-charging stations will only be available at certain designated vertiports, so the recharge of the aircraft will be at only one stop during a round trip. A specific portion of the battery capacity at the top and bottom will be maintained for battery health. Regular missions will also require a reserve capacity for rare circumstances.

Air Taxi



Cargo



Emergency Response



REVENUE OPPORTUNITY FOR OPERATORS



Fuel Cost:
\$5 per gal Av Gas
\$0.12 per kWh



Includes 25%
idling factor on
maintenance & fuel



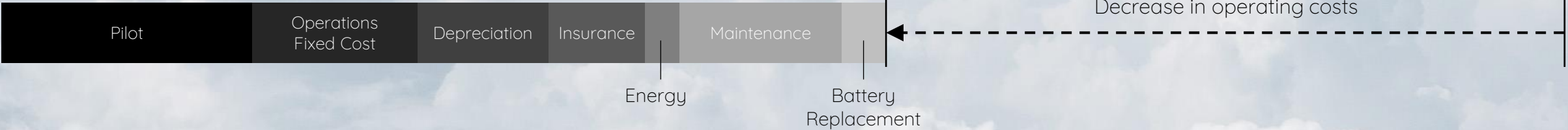
Significant
savings



Helicopter*

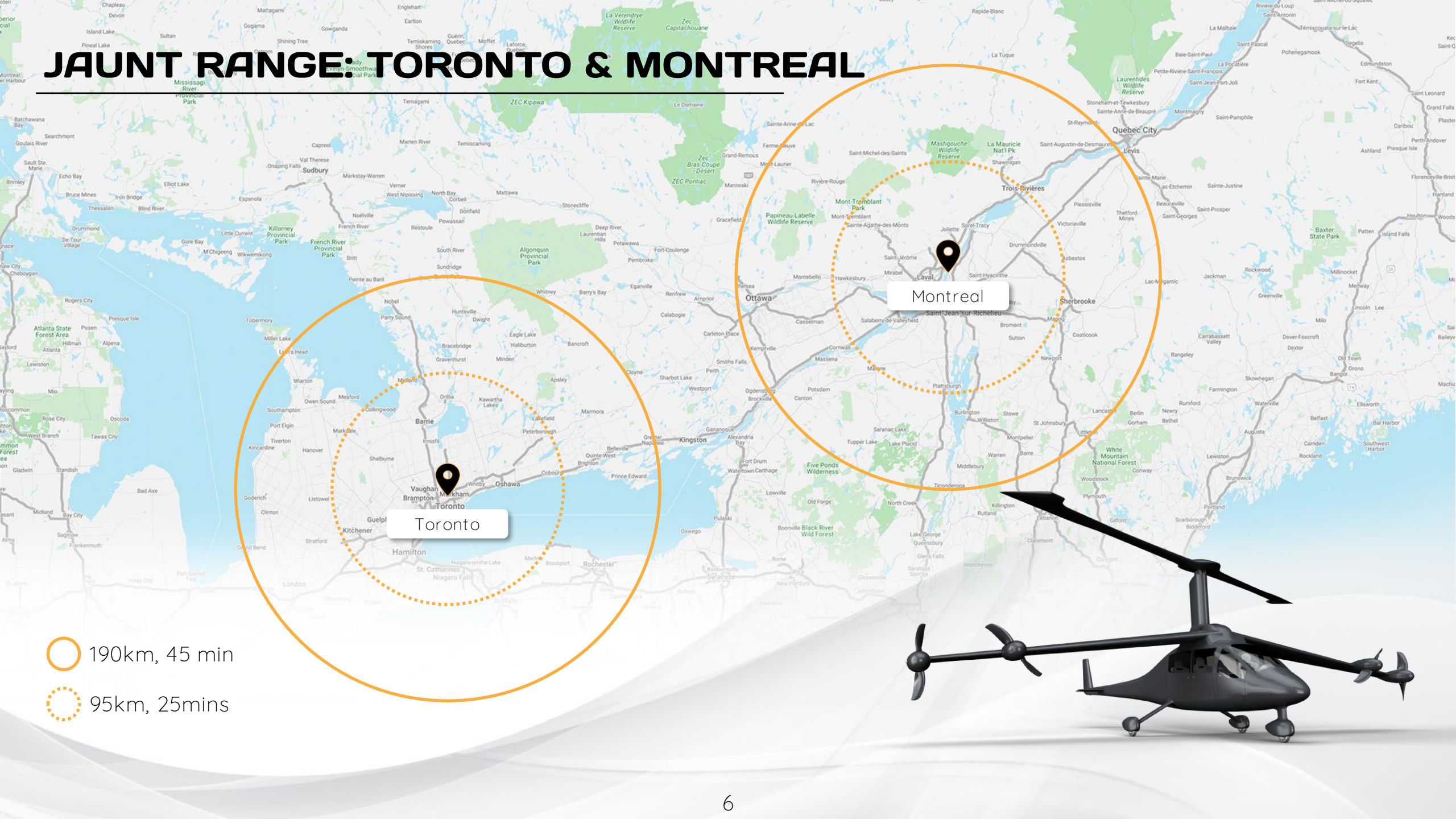


Jaunt Journey eVTOL



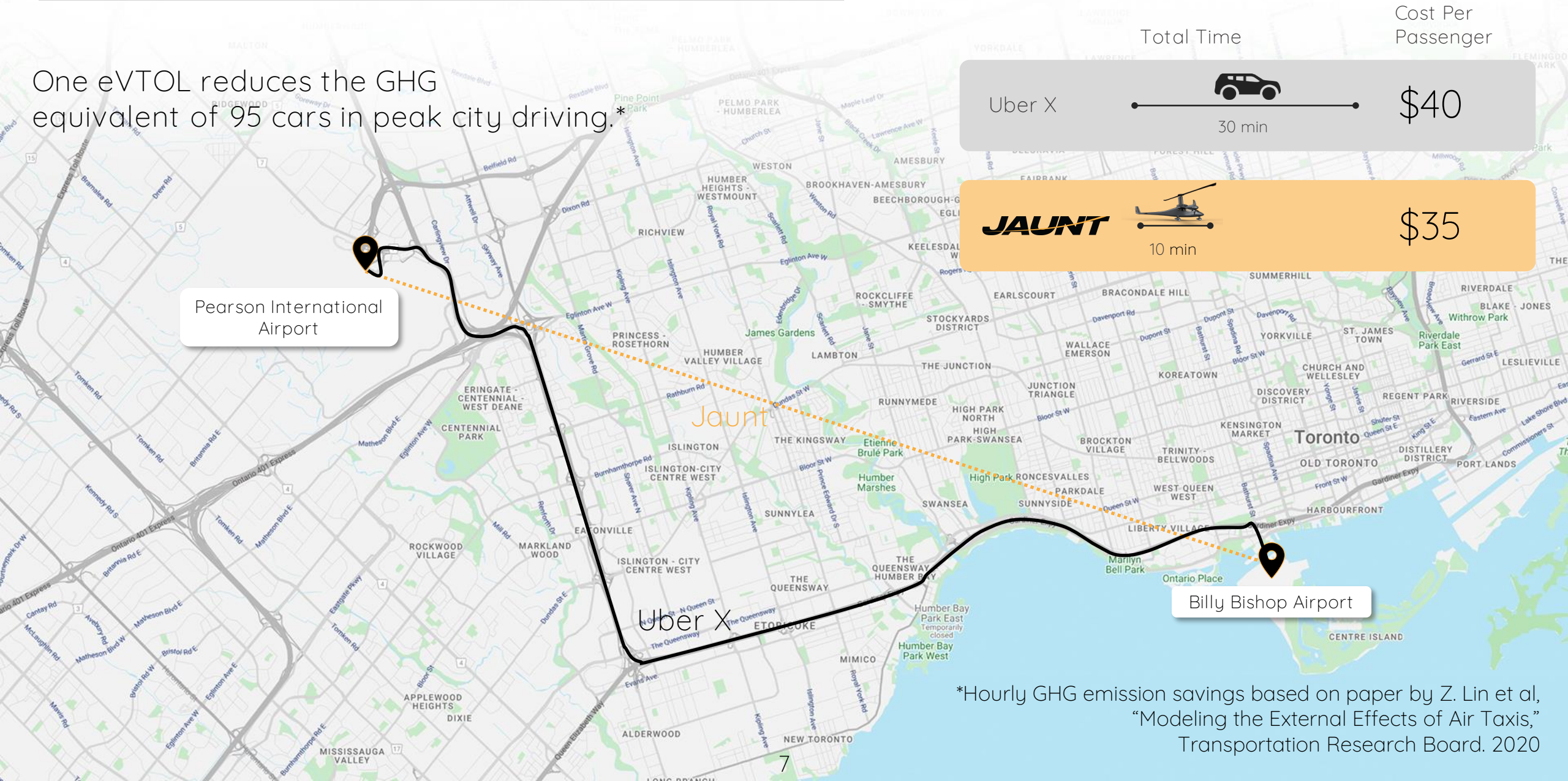
* Bell 505

JAUNT RANGE: TORONTO & MONTREAL



BILLY BISHOP TO PEARSON INTERNATIONAL

One eVTOL reduces the GHG equivalent of 95 cars in peak city driving.*

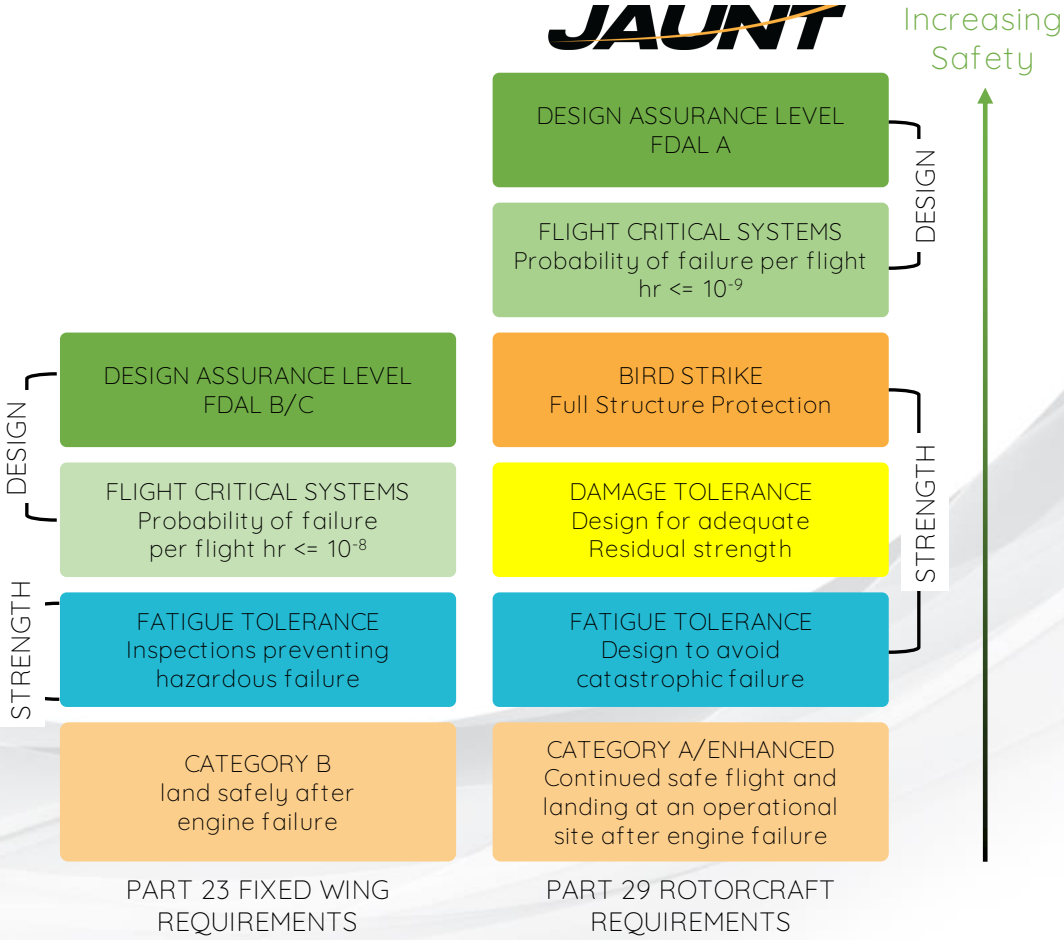


*Hourly GHG emission savings based on paper by Z. Lin et al, "Modeling the External Effects of Air Taxis," Transportation Research Board. 2020

CERTIFICATION PATHWAY



Jaunt will certify at the highest commercial level as a Rotorcraft under CAR 529 Category A standards. Several eVTOL manufacturers have proposed to start with FAA Part 23 requirements for small fixed-wing airplanes and extract or develop standards to address vertical flight aspects of the design.



STRATEGIC ENERGY MANAGEMENT

Global aerospace, defense and security company



Supporting Jaunt with advanced fly-by-wire technology and state of the art battery and high voltage power management systems

BAE SYSTEMS

SIMULATION AND TRAINING



CAE

Global manufacturer of simulation technologies, pilot training, and aircraft operation services

- Engineering certification support
- Pilot training program and simulation devices
- Supporting aircraft delivery and operations oversight

ADVANCED THERMOPLASTICS MANUFACTURING

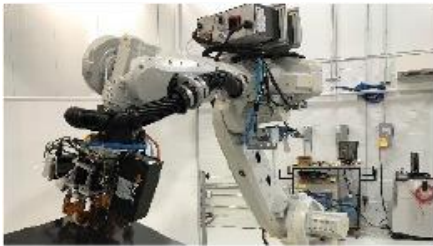
QARBON
AEROSPACE

Quality Assured in Every Fiber

Qarbon Aerospace is a premier manufacturer of cutting-edge composite components and assemblies at all levels of complexity, with products installed on the industry's most advanced commercial and military aircraft.



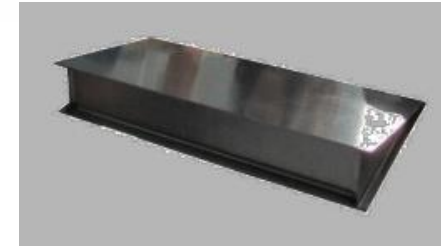
Pressed
Substructure
(ribs, frames, etc.)



Fuselage Designed
for High Volume
Manufacturing



Compression
Molded Chopped
Fiber Fairings/Fittings



Fiber Placed
Wing
Skins/Spars/Tailboom



Induction
Welding Fuses
it all Together

ENGINEERING SERVICES



306+
Global Clients



20,400+
Employees



69
R&D Innovation Labs



25+
Countries

L&T TECHNOLOGY SERVICES (LTTS)
IS A LEADING GLOBAL
PURE PLAY ENGINEERING & DIGITAL
SERVICES COMPANY

LTTS's Aerospace & Defense Business –
One Stop Services & Solutions

JAUNT's Engineering
and Digital Services Partner



L&T Technology Services

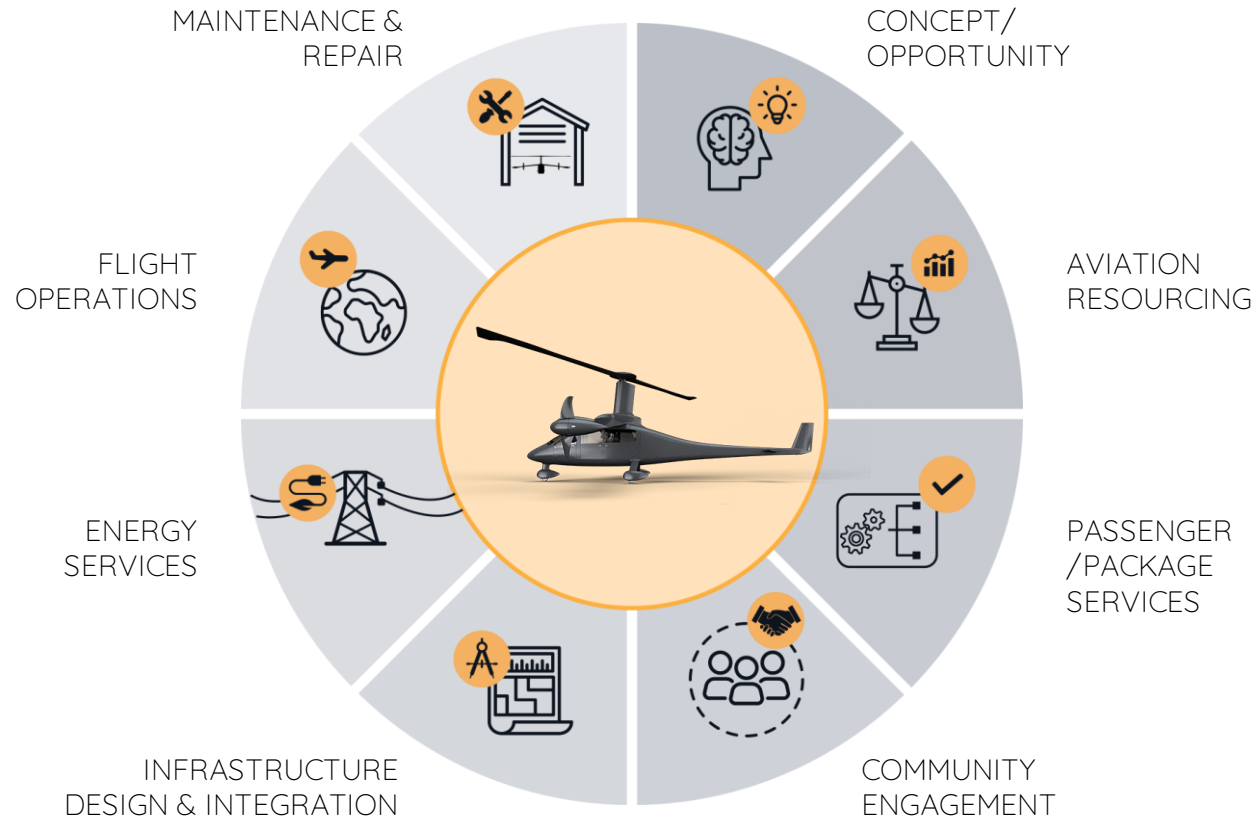


LTTS is a Subsidiary
of L&T (Larsen & Toubro) Group

Founded in 1938 by Danish Engineers

Engineering | Manufacturing | Construction
Projects | Technology | Financial Services

Access Skyways is a team of expert organizations whose businesses deliver critical elements of the Advanced Air Mobility ecosystem. Access Skyways will enable customers to navigate the complexity of introducing a new transit system and way of life into cities with ease and accuracy.





Montreal, Canada



Dallas, Texas

ABOUT **JAUNT**

Jaunt Air Mobility is a transformative aerospace company headquartered in Dallas, Texas, with design and manufacturing located in Montreal, Canada. Jaunt is building the next generation of eVTOL (electric Vertical Takeoff and Landing) and hybrid-electric VTOL aircraft for faster, quieter, and safer travel over urban areas, moving people and packages. Jaunt is the global leader in developing Slowed-Rotor Compound (SRC) technology. The Jaunt Journey is the world's first electric aircraft combining helicopter and fixed-wing aircraft flight capabilities. Jaunt has teamed with Tier 1 aviation partners to develop the Journey and work with global operators to provide this new form of travel. Jaunt offers the most operationally efficient aircraft with a zero-carbon footprint. For more information, visit www.jauntairmobility.com; email info@jauntairmobility.com.



Scan QR
To Download