



# EVE AIR MOBILITY

NOVEMBER 2023





# 2017

## ORIGIN

Eve emerges as a disruptive innovation project withing EmbraerX, Embraer's business accelerator arm.



# 2020

## INDEPENDENT

Eve becomes the first company to graduate from Embraer-X and separates from Embraer.



# 2021

## MERGE WITH ZANITE

Eve merges with Zanite Acquisition Corp., an investment company focused on emerging technologies.

# 2022

## IPO

On May 10th, Eve goes public with an initial public offering (IPO) on the New York Stock Exchange (NYSE) under the ticker "EVEX" and "EVEXW".

# 2023

## eVTOL PRODUCTION

Eve announces first eVTOL production facility to be situated in the City of Taubaté, São Paulo, Brazil, within Embraer's unit.



# ENABLING ADVANCED AIR MOBILITY ECOSYSTEM

Products and solutions that offer scalability and support

## eVTOL Development

Designing, developing and certifying an electric vertical take-off and landing vehicle

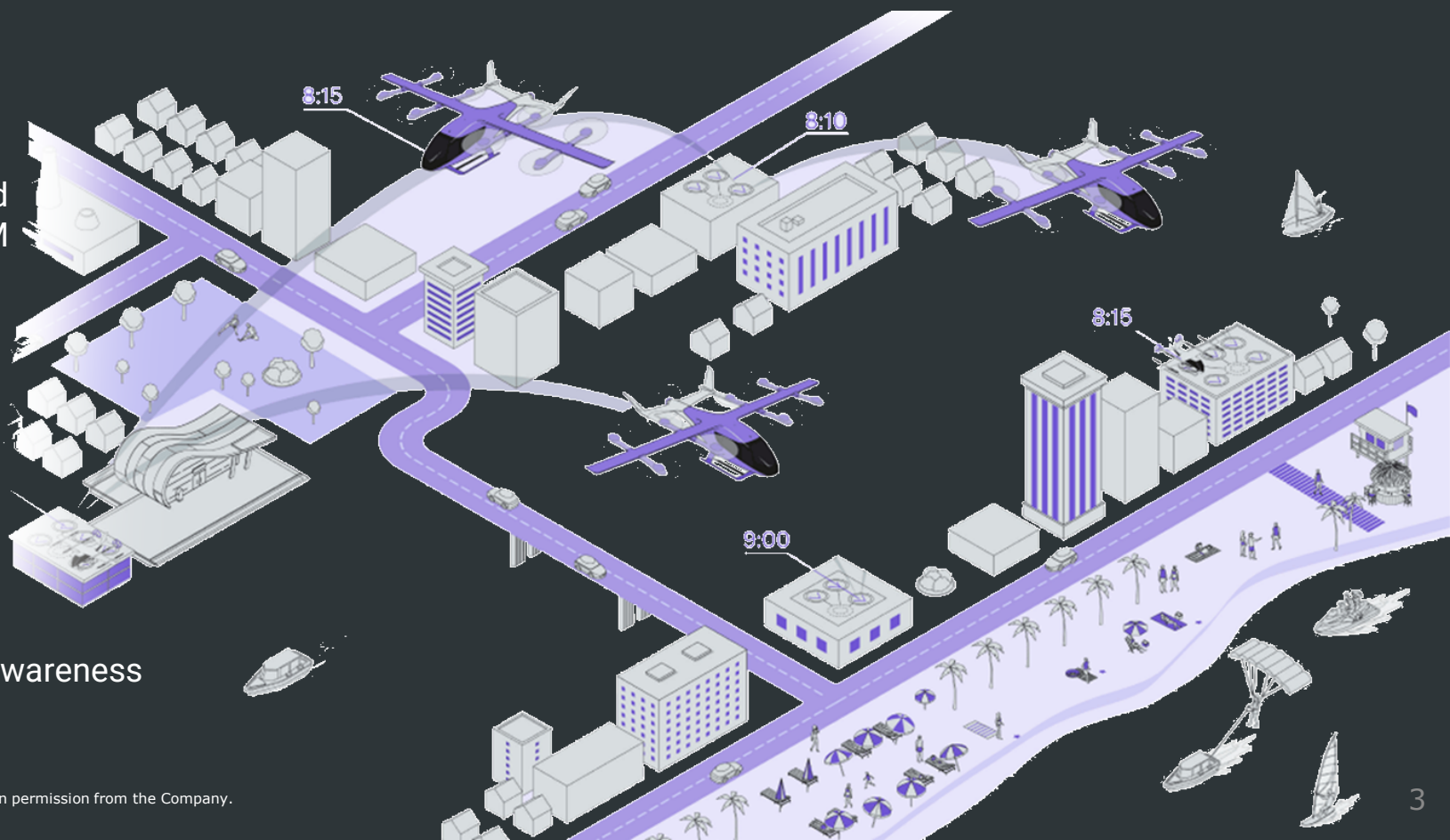
## Services & Operations Solutions

**Services:** Provide a full portfolio of services and support solutions for Eve and other eVTOL OEM

**Operations Solutions:** Provide UAM solutions for flight operation, optimize eVTOL performance and support infrastructure availability and efficiency

## Urban ATM

Developing a next-generation Urban Air Traffic Management that provides shared situational awareness and enables equitable airspace access





# VEHICLE DESIGN OPTIMIZED FOR URBAN MOBILITY



## Flexible seating capacity

**4** passengers at EIS, up to **6** in autonomous configuration

**Tailored for urban mobility**  
**100 km** (60 mile) range at EIS addresses  
**99%** of UAM missions

## High utilization rate

Designed for **thousands** flight cycles per year with industry-leading reliability

**Unmatched cost efficiency**  
Over **6X** lower cost-per-seat than helicopters

## Lift + Cruise Design

The **most practical** design choice for efficiency and certification

## Community-friendly

Up to **90%** lower noise footprint compared to equivalent helicopters

# MOST PRACTICAL DESIGN CHOICE FOR UAM MISSIONS

## LIFT + CRUISE



- Simple design
- High reliability
- Straightforward to certify
- Quiet in cruise mode
- Low battery drain
- Simple maintenance



## TILT ROTOR



- High speed
- Long range
- Complex design
- Lower reliability
- Challenging to certify

## VECTORED FAN



- Efficient cruising
- Long range
- Energy intensive hover
- Take-off noise level
- High battery drain

## MULTI-ROTOR



- Efficient takeoff and landing
- Simplest to certify
- Less efficient cruising
- Slower speeds
- Very short range
- High battery drain

Source: Assessment by Eve management and market analysis as per "Market for Urban Air Mobility" from KPMG dated June 2021

# UAM MARKET

by 2035

**50,000** operating eVTOLS

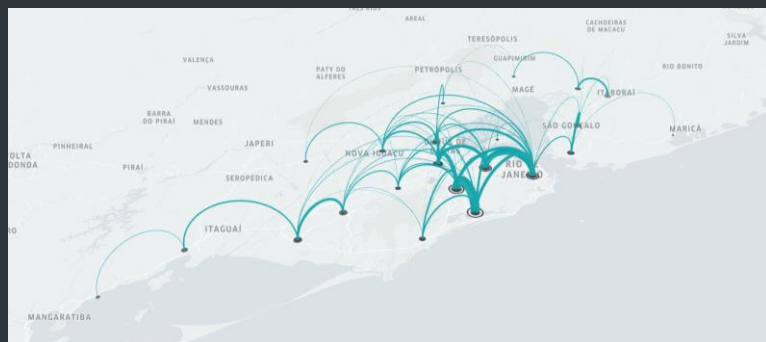
performing over **770k** flights per day

transporting over **900M** passengers

In **500** cities

# POTENTIAL OF UAM IN MAJOR URBAN AREAS

## RIO DE JANEIRO



**245** eVTOLS

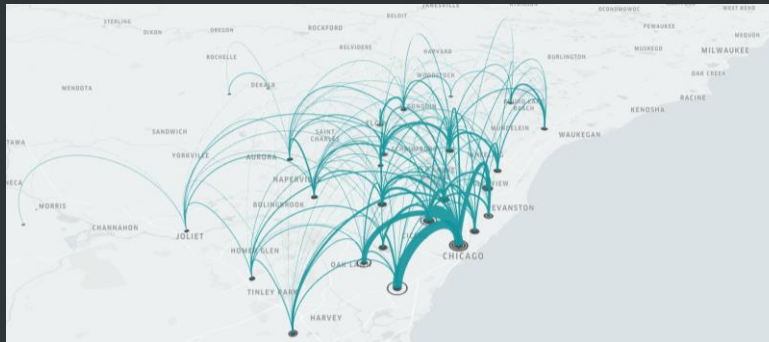
**37** Vertiports

**100+** Routes

**4.5M** Annual passengers

**\$220M** Annual revenues

## CHICAGO



**240** eVTOLS

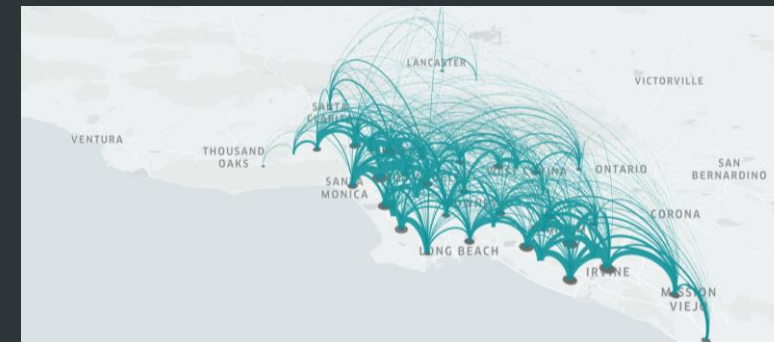
**30** Vertiports

**120+** Routes

**4.5M** Annual passengers

**\$225M** Annual revenues

## LOS ANGELES



**390** eVTOLS

**38** Vertiports

**150+** Routes

**7.1M** Annual passengers

**\$350M** Annual revenues



# SERVICES & OPERATIONS SOLUTIONS DEALS



**7** Services & Operations Solutions customers in **6** countries



MRO services



Spare parts solutions



Battery & energy solutions



Data integration solutions



Training solutions



Component repairs

Letters of Intent for up to

**\$540 Mi**

POTENTIAL REVENUE (5Y)





# eVTOL AND URBAN ATM DEALS

**28** eVTOL customers in **14** countries

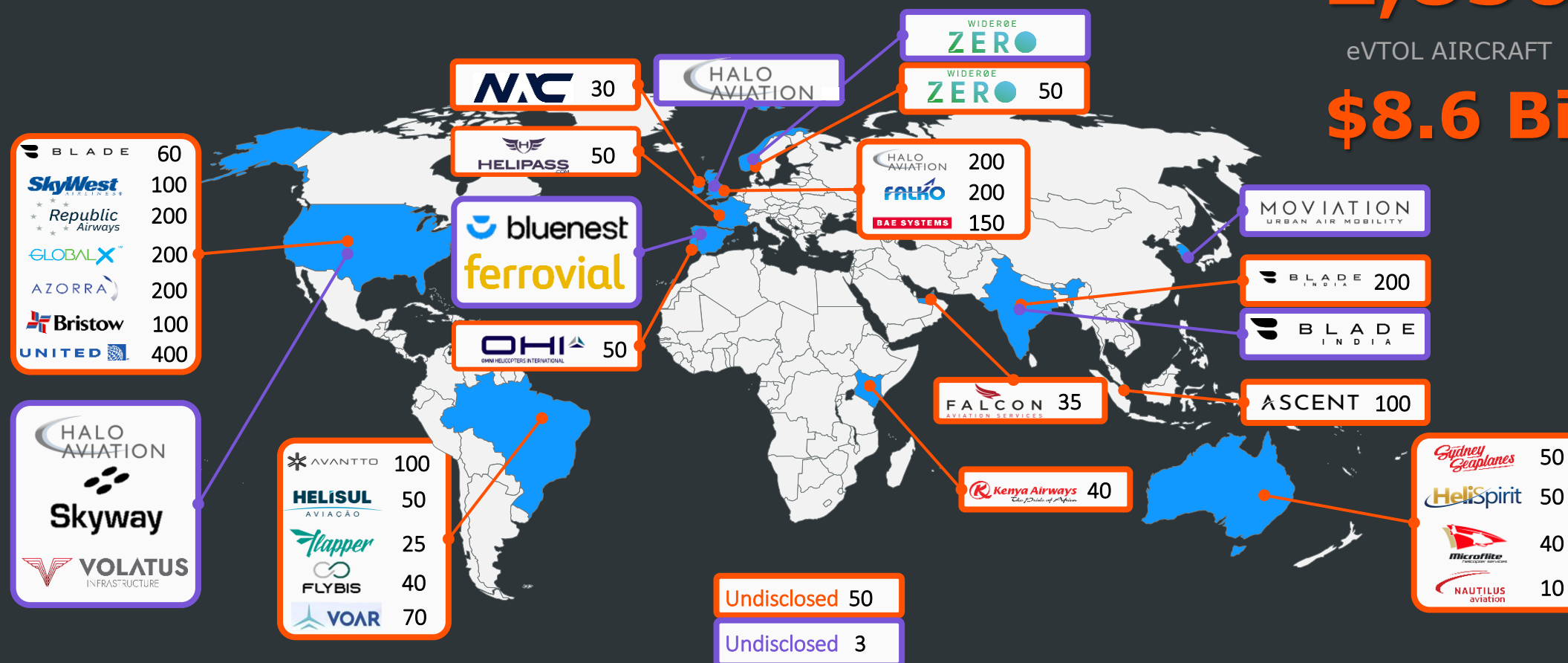
**11** UATM customers & partners in **3** continents

Letters of Intent for up to

**2,850**

eVTOL AIRCRAFT

**\$8.6 Bi**



# LATEST PRODUCT DEVELOPMENTS



## INITIATED PROTOTYPE ASSEMBLY AND JOINT-DEFINITION PHASE

- Started assembly of harness to integrate electrical/electronic systems to sensors, fuselage and structural wing components to incorporate into composite laminate;
- Initiated Joint-Definition Phase (JDP) to engage suppliers to ensure systems work seamlessly



## ADDITIONAL SUPPLIERS SELECTED

- Continued selection of suppliers: flight control, avionics, flight actuators and thermal-management systems (suppliers previously defined: battery, electric motors and propellers)



## PILOT/OPERATOR INTERFACE AND SOUND PERCEPTION STUDY

- Human-Machine Interface Summit to gather feedback on flight deck interfaces
- 20+ operators on flight controls, electrical systems, propulsion and interior design
- Partnership with Royal Netherlands Aerospace Center to gather data on sights and sounds

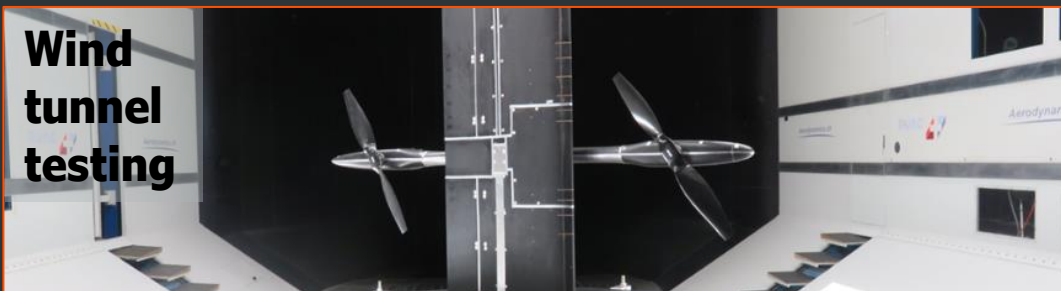


# eVTOL DEVELOPMENT PROGRESSING

**Wing assembly**



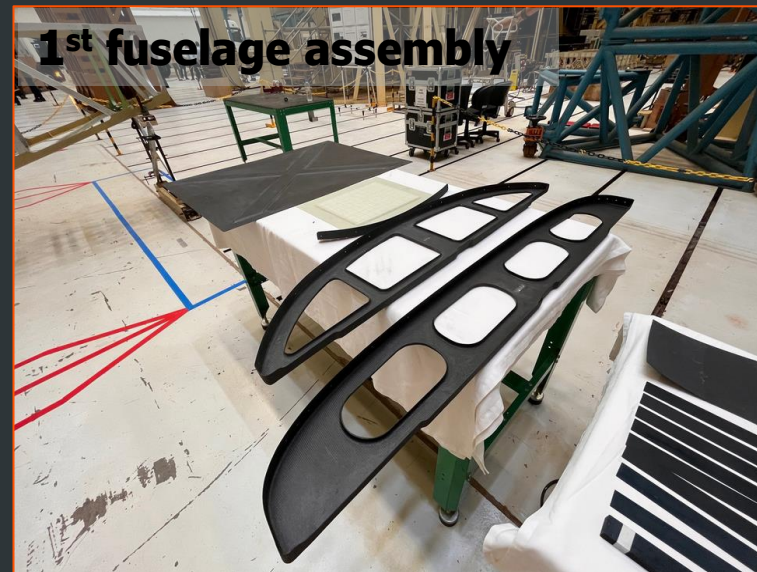
**Wind tunnel testing**



**Ribs and spars wing assembly**



**1<sup>st</sup> fuselage assembly**

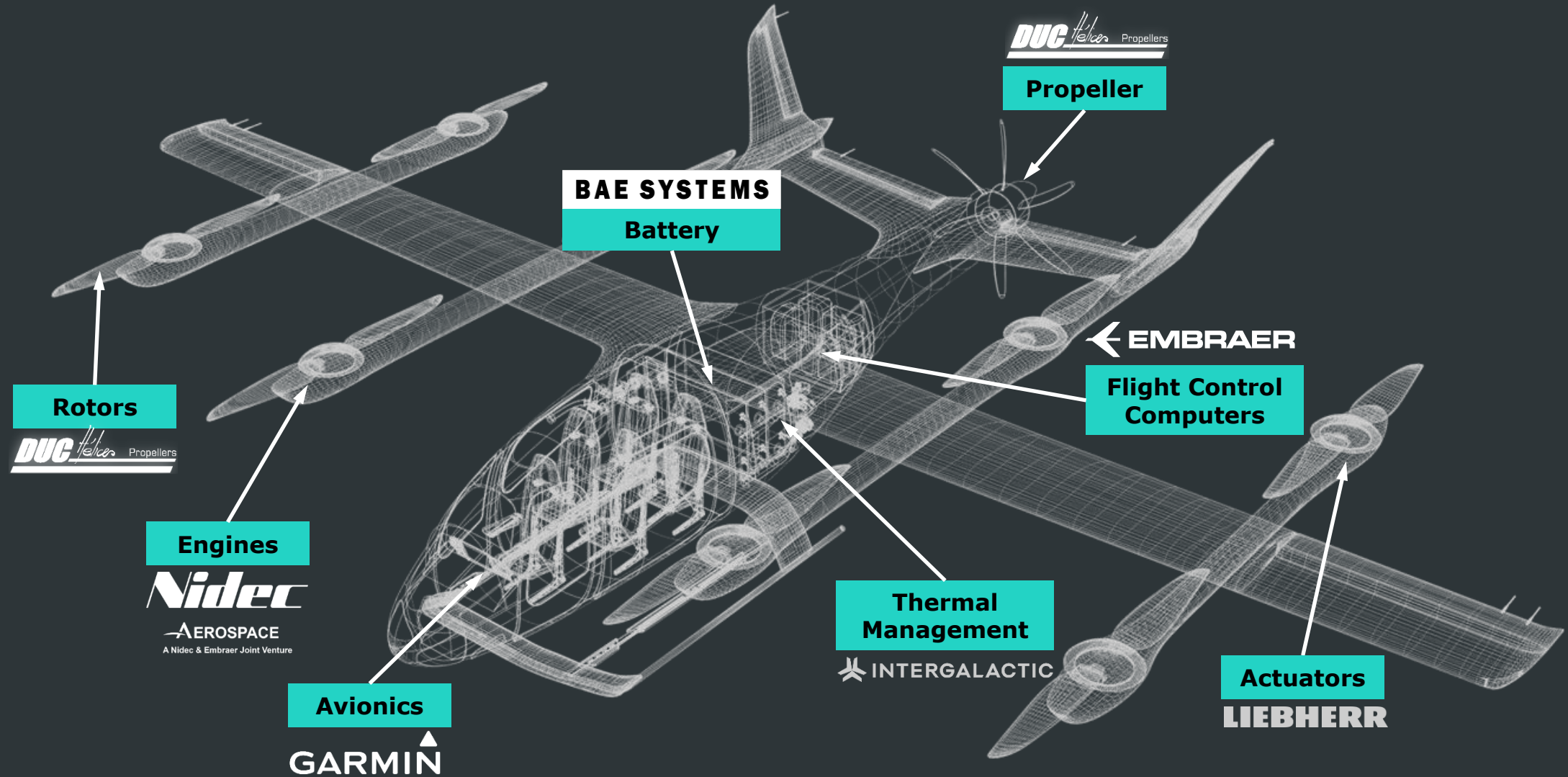


**Joint Definition Phase - JDP**





# SELECTION OF SUPPLIERS PROGRESS







# EVTOL CABIN

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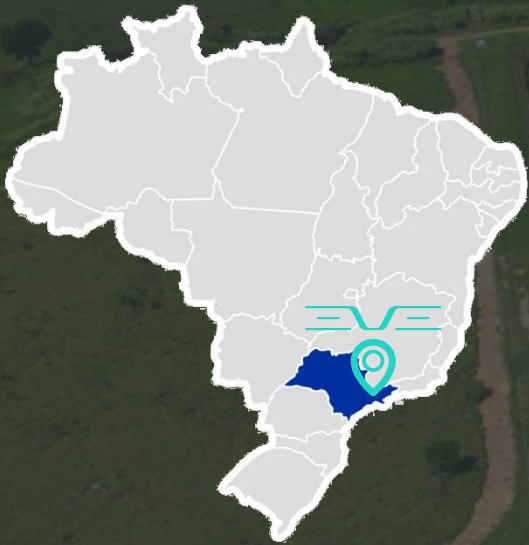




# SELECTION OF FIRST eVTOL PRODUCTION SITE IN BRAZIL



EVE



## 📍 TAUBATÉ - SÃO PAULO, BRAZIL

- Production facility situated within Embraer's existing unit that will be expanded
- Strategic logistical location, proximity to Embraer's headquarters in São José dos Campos and Eve's engineering and human resources team



# FINANCIAL PERFORMANCE



USD MILLIONS

	3Q23	2Q23	3Q22	9M23	9M22
<b>INCOME STATEMENT</b>					
Research and Development	(28.6)	(21.8)	(14.3)	(72.0)	(33.8)
Selling, General and Administrative	(5.0)	(6.6)	(6.8)	(17.8)	(23.9)
New Warrants / Change in fair value of derivative liabilities	(0.9)	(6.8)	(17.1)	(9.8)	(98.6)
Financial investment income / Other financial gain/(loss), net	4.4	4.1	2.0	12.8	3.0
Net Earnings (Loss)	(31.2)	(31.4)	(36.7)	(88.4)	(154.0)
<b>CASH FLOW</b>					
Net Cash Used in Operating Activities	(22.4)	(27.7)	(16.8)	(70.0)	(38.7)
Net Additions to PP&E	(0.0)	(0.1)	(0.4)	(0.2)	(0.4)
Free Cash Flow*	(22.4)	(27.8)	(17.3)	(70.2)	(39.1)
Net Cash Provided by Financing Activities	11.0	(0.3)	15.0	10.7	352.7
	3Q23	2Q23	3Q22		
<b>BALANCE SHEET</b>					
Other Assets	3.6	2.5	3.4		
Total Payables	34.8	27.6	21.9		
Cash, Equivalents and Investments, Beginning of Period**	269.0	294.6	330.8		
Cash, Equivalents and Investments, End of Period**	256.4	269.0	329.9		
Total Debt	11.3	-	-		
Total liquidity including BNDES Standby Facility*(1)	342.5	370.7	329.9		

**Strong  
Liquidity**

\* Free Cash Flow and total liquidity are non-GAAP measures

\*\* Includes Related Party Loans but does not include BNDES standby facility of ~\$86.1 million

(1) Includes Cash and Cash equivalents of up to 90 days + investments above 90 days (including related party) + undrawn BNDES standby facility of \$86.1 million

# MILESTONES AND 2023 OUTLOOK



SELECTION OF PRIMARY SUPPLIERS



AIRCRAFT SYSTEMS ARCHITECTURE DEFINITION



INITIATE FIRST PROTOTYPE ASSEMBLY (2H23)



INITIATE TEST CAMPAIGN (2024)



TRIAL SOFTWARE OF URBAN AIR TRAFFIC MANAGEMENT – URBAN ATM (4Q23)



2023 TOTAL CASH CONSUMPTION BETWEEN \$130 AND \$150 MILLION



# EVE'S GLOBAL UAM ECOSYSTEM INITIATIVES

For agnostic, integrated and equitable UAM ecosystem

## Chicago CONOPs & Simulation

Simulating passenger services and operational ecosystem in commuting



## Miami UAM CONOPs

Understanding Passenger Experiences and eVTOL User Journeys to prepare for UAM implementation



## Rio CONOPs & Simulation

Simulating passenger services and operational ecosystem in airport shuttle



## UK CAA Regulatory Sandbox

Co-created solutions with ANSP to address regulatory barriers to airspace integration



## Japan CONOPs

Understanding ground infrastructure and traffic management systems



## India Pilot Project

Supporting pilot project offering passenger services for commuting in Bengaluru



## Australia UATM CONOPs

Developed and tested UATM CONOPS for airspace integration with Australia's ANSP





# EVE COMPLETED DEVELOPMENT OF URBAN ATM PROTOTYPE



## URBAN AIR TRAFFIC MANAGEMENT (UATM) PROTOTYPE

Focused on essential services to support introduction and scalability of Urban Air Mobility (UAM) operations

## FEEDBACK FROM SIMULATIONS AND ADVISORY GROUPS

Tests during Eve's Chicago Simulation and Advisory Groups/partners to ensure software development alignment

## NEXT STEP

Initiating commercial product development of UATM solutions to ensure airspace integration



BLADE  
INDIA



VOLATUS  
INFRASTRUCTURE



bluenest  
by globalvia

ferrovial

+1 undisclosed customer



# SUSTAINABILITY



**100%**

electric vehicle



**ZERO**

local carbon  
emissions



**FULL LIFE-  
CYCLE**

design approach



**UP TO 80% CO<sub>2</sub>**

emission  
reduction vs cars



**CARBON  
NEUTRALITY**

Achievable with  
minimum costs



# SUSTAINABLE MATERIALS

Composite wall

EVE

Water based paint

Sustainable leather

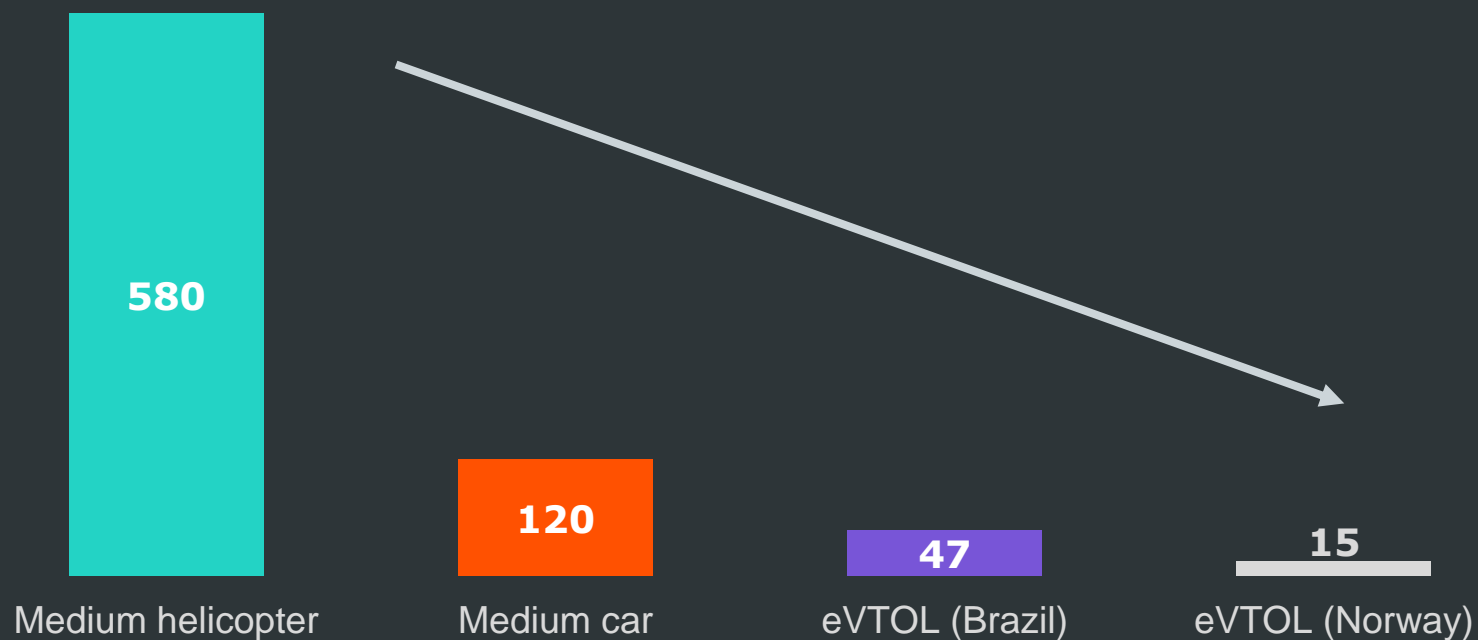
Wool fabric

Recycled rubber



# STRONG ENVIRONMENTAL APPEAL WITH CO<sub>2</sub> EMISSIONS REDUCTION

**Operational Emissions by Transportation mode  
(g CO<sub>2</sub>-eq per passenger per km)**



**EVTOLS WILL HAVE SIGNIFICANTLY LOWER CARBON IMPACT THAN CARS AND HELICOPTERS**

IT WILL DEPEND ON THE ENVIRONMENTAL CREDENTIALS OF THE ELECTRICITY GENERATION IN EACH LOCALITY

# WORLD ECONOMIC FORUM



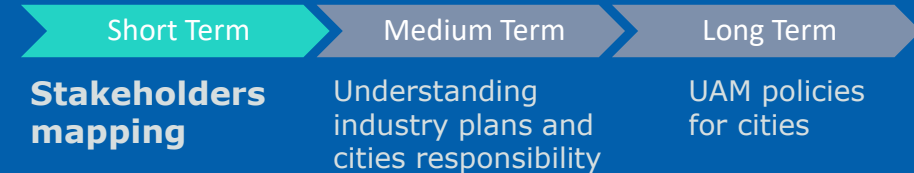
Collaborating with knowledge into  
industry leaders' reports

Target True Zero  
Unlocking Sustainable Battery and  
Hydrogen-Powered Flight  
INSIGHT REPORT  
JULY 2022



Joining the coalition to anticipate the  
impact of UAM on the top cities  
around the world

*Current Status*



Sharing solutions development and  
integrating with other stakeholders to  
enable the UAM ecosystem of the future



THANK YOU!

EVE

