

# EVE AIR MOBILITY

August 2022





# BUSINESS HIGHLIGHTS



Eve **listed on the NYSE** (EVEX) on May 10, 2022

2022 capital raise of **\$377** million from strategic and financial investors

**Competitive advantage** with Embraer's partnership (access to engineers, IP and infrastructure)

**2,060** eVTOL orders from **22** customers (~**\$6.0** billion non-binding backlog)

First order for **defense** eVTOL variant

Formalization of **eVTOL type certification** application with Brazil's Authority (ANACC)

**Concept of operations** in Miami, Rio, Melbourne and London

Initial tests with **Proof-of-Concepts, RIGs, Wind Tunnel Models, Simulators** and **Mock-ups** underway

**Partnership** with **Porsche Consulting** to optimize supply chain, manufacturing and logistics strategy

**EVEX**  
LISTED  
NYSE

# VEHICLE DESIGN OPTIMIZED FOR URBAN MOBILITY



## Flexible Seating Capacity

**4** passengers at entry into service  
Up to **6** in autonomous mode

## High Utilization Rate

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

## Lift + Cruise Design

**Most practical** design choice for  
efficiency and certifiability

## Tailored for Urban Mobility

**100 km** (60 mile) range at EIS  
Addresses **99%** of UAM missions in cities and  
metropolitan areas

## Leading Cost Efficiency

Over **6x lower** cost-per-seat than  
helicopters and best-in-class for eVTOLs

## Community Friendly

Approximately **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



# ENHANCING EVTOL MATURITY



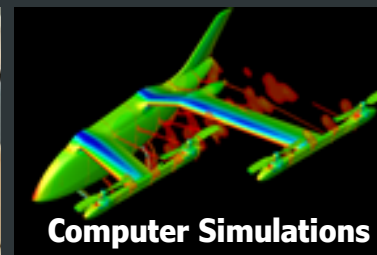
**Electric Demonstrator**



**User Engagement**



**Mock-ups**



**Computer Simulations**



**Battery Tests**



**Proof of Concept**



**RIG Thermal Management System**



**Wind Tunnel Tests**



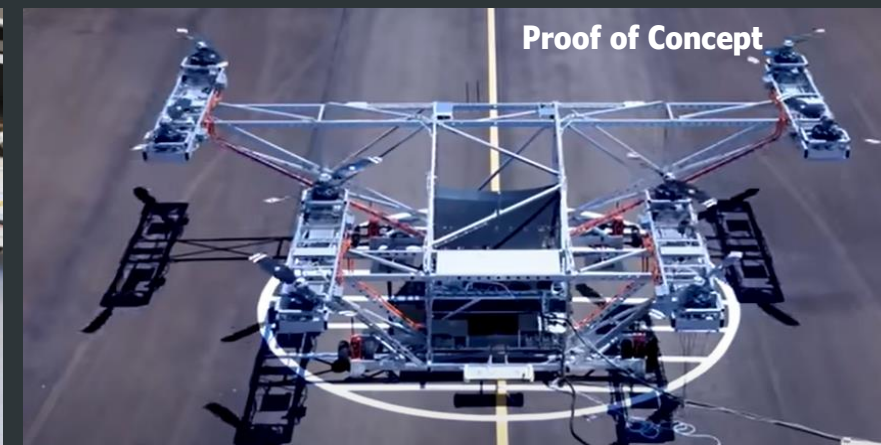
**TUDelft Simulator**



**Flight Simulator**



**Autonomous Flight Concept**



**Proof of Concept**



# CURRENT DESIGN AND CABIN UNVEILED



**Advisory Board** in Portugal with more than 20 customers from over 10 countries to discuss and define Eve's UAM portfolio

Ongoing **product development**: presentation of full-sized cabin and current vehicle design during Farnborough International Airshow, in England



# CERTIFICATION PROCESS KICK-STARTED

## **Faster path to certificate in Brazil (ANAC)**

Eve has undivided attention

## **ANAC has bilateral agreements with FAA**

Allowing concurrent certification and EASA follow-on

## **> 30 projects certified**

in the last 25 years

## **Entry into service** expected for **2026**

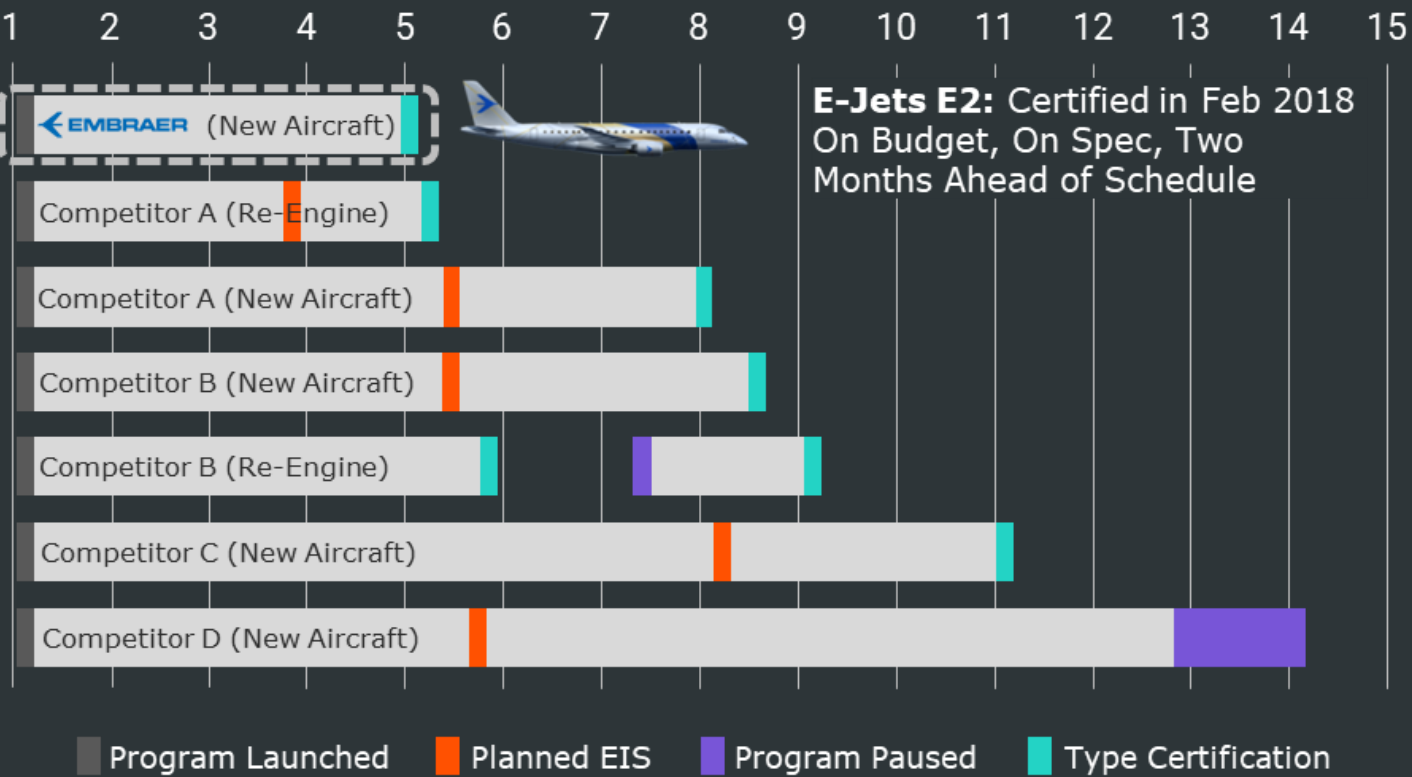




# SUPERIOR CERTIFICATION TRACK RECORD



## Years From Start of Development to Certification



Eve plans to leverage Embraer's regulatory experience and relationships to accelerate type certification



30+

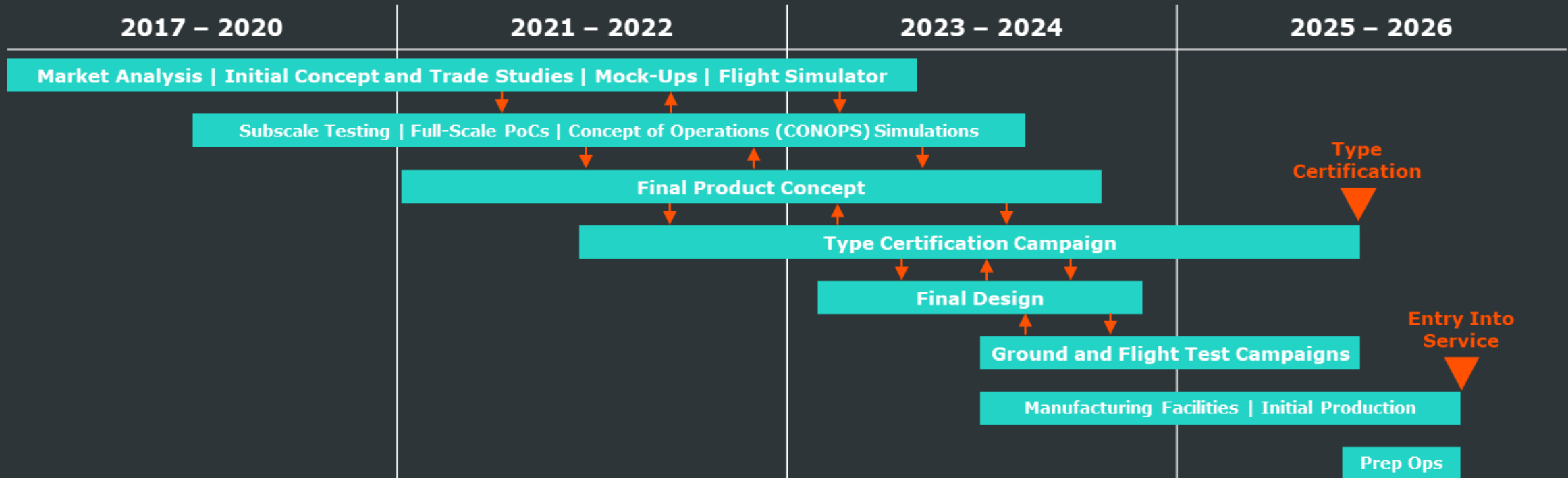
New models certified by Embraer over the last 25 years

Experience with Simultaneous Certifications

Embraer has consistently achieved triple type certification in Brazil, US and Europe for both commercial and executive jets



# TIMELINE TO ACHIEVE ENTRY INTO SERVICE



## Proven Development Approach

- Employing the development model evolved by Embraer over 50+ years, enabling consistent completion of programs on-time, on-spec and under budget
- Balanced and deterministic approach incorporates agile, model-based engineering techniques and iterative use of testing environments and PoCs

## Proven Certification Approach

- Engaging with ANAC in Brazil as the primary certification authority, with a bilateral agreement with the FAA and follow-on certification from EASA
- Approach leverages Embraer's success with triple type certifications and long-standing relationships with all global regulatory authorities



## EMBRAER'S STRATEGIC SUPPORT

Heritage of Aviation Leadership (Long Certification Experience)

Availability of Embraer's World-Class Capabilities (Royalty-Free IP and 1,600 engineers)

Superior Engineering Track Record and Lower Development Costs

Leveraging Existing Infrastructure and Production Capabilities

Worldwide Sales and Support Network

**EVE HAS AN EXTREMELY COST EFFICIENT AND EXPERIENCED DEVELOPMENT STRATEGY WITH EMBRAER**



# PARTNERSHIPS

## OPERATING & RIDE-SHARING



ASCENT

BLADE



flapper



Bristow

HALO

GLOBAL X

AVANTTO

HELISUL  
AVIAÇÃO

Sydney Seaplanes

HeliSpirit



FALCON  
فalcon

Kenya Airways

WIDERØEZER

JAPAN AIRLINES

## INFRASTRUCTURE

edp

DON  
CITY AIRPORT

Skyports

Heathrow

PENTASTAR  
Aviation



RIOgaleão

JETEX

acciona



Signature  
AVIATION

## TECHNOLOGY



THALES

Porsche Consulting

DEFENSE

BAE SYSTEMS

## FINANCING

bradesco

BNDES

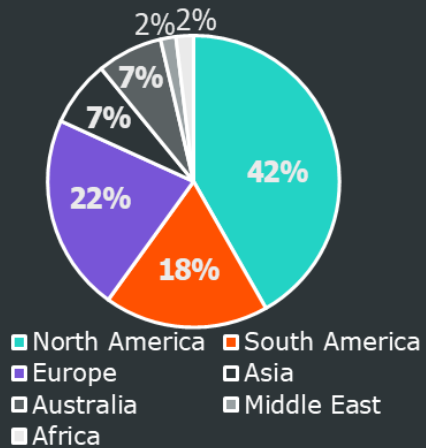
LESSORS

AZORRA

FALCO

# BACKLOG\* DIVERSIFICATION

Clients Geographic Distribution



HALO  
HELISUL  
AVIAÇÃO

Bristow

AVANTTO

NAUTILUS  
aviation

Sydney  
Geoplanes

HeliSpirit

Microflite

FALCON  
فalcon

Undisclosed

SKYWEST  
INCORPORATED

Republic  
Airways

GLOBALX

Kenya Airways

Undisclosed

FALCO

AZORRA

400

BLADE

flapper

ASCENT

HELIPASS

235

BAE SYSTEMS  
+  
EMBRAER

150

2,060

Helicopter

Airline

Lessor

Ride platform

Defense

Total

**Largest and Most Diversified Backlog\*** in the Industry



## FINANCIAL PERFORMANCE

USD MILLIONS	2Q22	2Q21	1H22	1H21
<b>INCOME STATEMENT</b>				
Research and Development	(9.8)	(1.9)	(19.0)	(3.8)
Selling, General and Administrative	(6.5)	(0.4)	(7.3)	(0.8)
Net Earnings (Loss)	(11.8)	(2.4)	(21.3)	(4.6)
<b>CASH FLOW</b>				
Net Cash Used in Operating Activities	-	-	(13.2)	(5.1)
Net Additions to PP&E	-	-	-	-
Free Cash Flow	-	-	(13.2)	(5.1)
Net Cash Provided by Financing Activities	-	-	329.1	5.1
Cash, Equivalents and Investments, Beginning of Period	-	-	14.4	-
Cash, Equivalents and Investments, End of Period	-	-	330.8	-
			1H22	2H21
<b>BALANCE SHEET</b>				
Other Assets	-	-	0.2	-
Related Party Receivable	-	-	0.3	0.2
Total Payables	-	-	12.6	1.5
Total Debt	-	-	-	-
Net Cash	-	-	330.8	-

**Strong Liquidity and No Debt**



# ENVIRONMENTALLY FRIENDLY AIR MOBILITY



**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 cost



# SUSTAINABLE MATERIALS

Composite wall

EVE

Water based paint

Sustainable leather

Wool fabric

Recycled rubber



# POTENCIAL OF URBAN AIR MOBILITY: RIO DE JANEIRO 2035

**245** eVTOLS

**37** Vertiports

**100+** Routes

**4,5M** Annual passengers

**\$220M** Annual revenues

## CO<sub>2</sub> REDUCTION

By 2035, UAM could **reduce CO<sub>2</sub> emissions** by over **11,000 tons/year** in RIO DE JANEIRO

### Equivalent to:



Emissions from **>4,000** cars/year

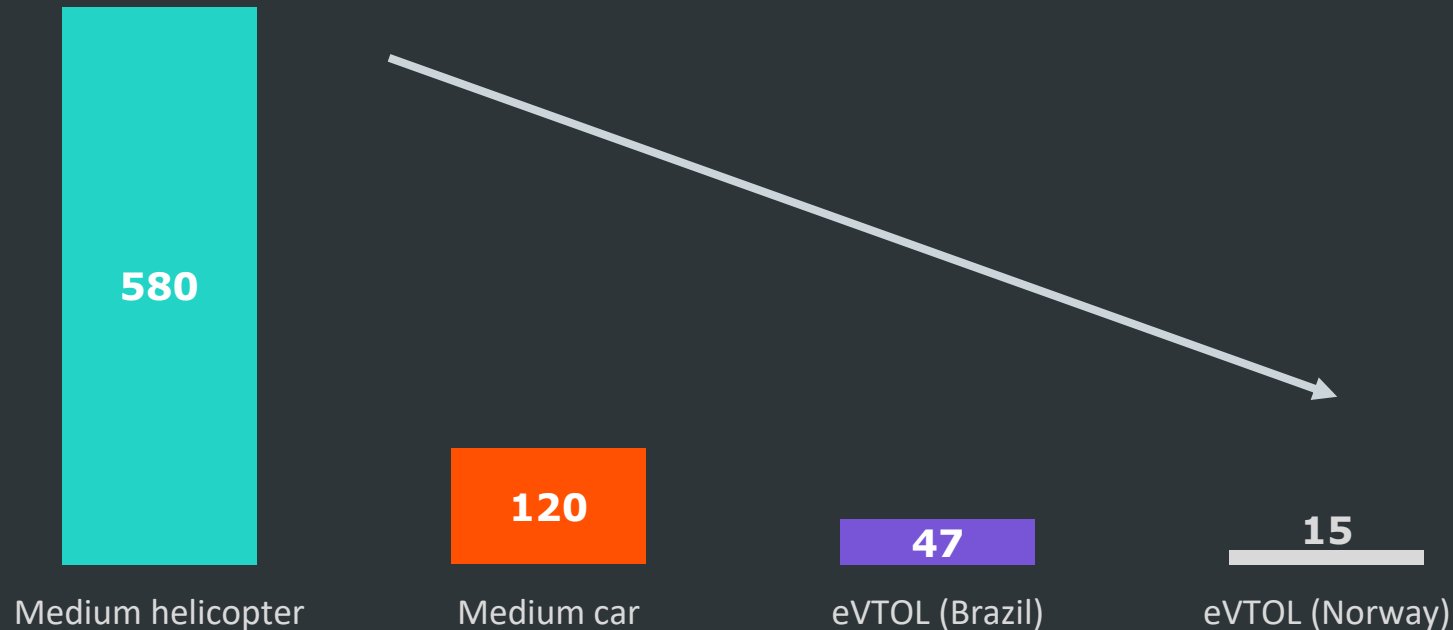


Driving around the world over **1,400** times

# 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



# Eve collaborating with the World Economic Forum

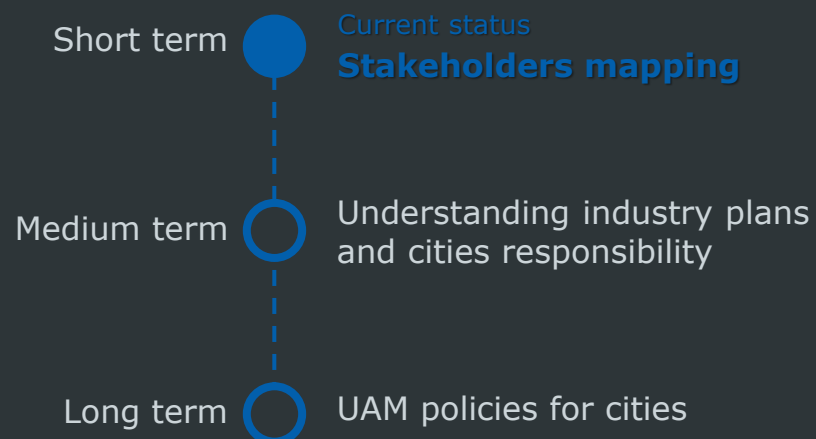
Sharing knowledge for WEF's Sustainability  
Report on aeronautical technology

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



**Target True Zero**  
Unlocking Sustainable Battery  
and Hydrogen-Powered Flight

INSIGHT REPORT  
JULY 2022



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



THANK YOU!

