



# EVE AT A GLANCE

### **eVTOL**

Design, develop and certify an eVTOL tailored for Urban Air Mobility

Low operating cost, high availability and clear path to certification

28 customers

# Services & Support (EVE TECHCARE)

Full portfolio of Services & Support solutions for Eve and other eVTOLs

Solutions and support for flight operations, infrastructure availability and efficiency

14 customers

### **Air Traffic Control**

(VECTOR)

Next-generation Urban Air Traffic Management (UATM software)

Reliably and safely support higher density operations for urban air mobility

21 customers & partners





### EVE A LEADER IN URBAN AIR MOBILITY

Aerospace expertise with full access to Embraer's Intellectual Property (IP)



Specialized manufacturing & engineering capabilities at attractive costs



Proven track record to design, certify, deliver and service aircraft



Parallel certifications in Brazil and the United States



Full suite of Products & Services for UAM (eVTOL, TechCare & Vector)





Robust design (Lift + Cruise): lower operating cost, higher dispatchability, and clearer path to certification



Experienced suppliers with long-term contracts



Largest and most diversified backlog in the industry



Strong liquidity position (3.0x expected annual cash consumption)

# EVE & EMBRAER PARTNERSHIP

**Embraer – Global Aviation Leader** 

Urban Air Mobility is a major growth opportunity for Embraer

**Embraer holds 83% of Eve's equity** 

### **Strategic Support**

Leveraging 55 years of aviation experience; 30+ models certified over the last 25 years

### **Access to World-Class Capabilities**

Royalty-Free IP; ~1,600 engineers; infrastructure and costcompetitive production capabilities; competitive labor and engineering costs under a 15-year agreement at transfer cost

### **Worldwide Support Network**

Broad customer support infrastructure:

80+ countries; 10+ Embraer service centers;

60+ third-party service centers; 20+ warehouses;

70+ flight simulators; 5+ pilot training centers

COST EFFICIENT, EXPERIENCED DEVELOPMENT AND CERTIFICATION STRATEGY



# DESIGN OPTIMIZED FOR URBAN MOBILITY



### High utilization rate

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

#### **Lift + Cruise Design**

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

#### **Community-friendly**

Substantial **reduction in noise** footprint compared to equivalent helicopters

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# 4 PASSENGERS IN FLEXIBLE CABIN

### **Cabin cross section**



Height and seat width validated by customers at Advisory Boards

# Layout of passenger accommodation



Forward-facing seats enhance privacy

### Forward seating configuration



### Club seating configuration





# 4 CARRY-ONS OR 2 CHECKED-IN BAGS

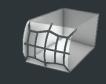
### Flexible luggage configuration











Capacity
490 liters / 17 ft<sup>3</sup>



# SIMPLICITY FOR EASE OF TRAINING AND OPERATION ----



Embraer's proven Fly-by-Wire technology

No pedals, single pilot



Proven Garmin avionics



# MOST PRACTICAL DESIGN CHOICE FOR UAM



### TILT ROTOR



- + Lighter
- + Longer range
- + Lower noise profile
- Less reliable
- Challenging to certify









#### **VECTORED FAN**



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



#### **MULTI-ROTOR**



- + Efficient takeoff/landing
- + Easiest to certify
- Less efficient cruising
- Slower speeds
- Very short range
- High battery drain



**AIRBUS** 

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



## WHEELED LANDING GEAR AS OPTION

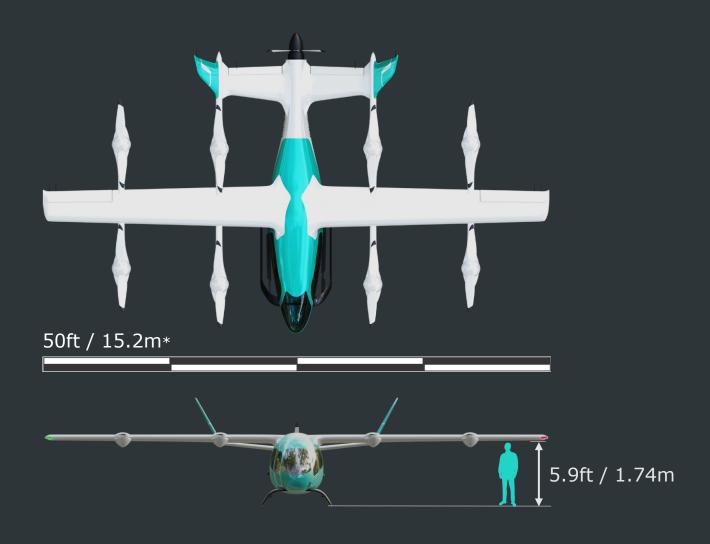
Added flexibility where Ground Support Equipment (GSE) & time are limited



- Minimizes GSE requirements at outstations
- Reduces Turnaround Time (TAT) at slot-constrained, large vertiports
- Available as follow-on item after Entry into Service (EIS)



# DESIGNED TO FIT CURRENT INFRASTRUCTURE





# PRIMARY COMPONENT SUPPLIERS SELECTED



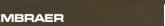


**FLIGHT CONTROL** COMPUTERS





**CONTROL SURFACES** 



**SENSORS** 

THALES

Honeywell



**THERMAL MANAGEMENT** 



PILOT CONTROL



LIEBHERR

**AVIONICS** 



**LATÉCOÈRE** 

**PYLONS** 



Honeywell

**FUSELAGE** COMPONENTS



RALLE

KASIĞLAS

WINDOWS

**RECARO** 

ROTORS&PROPELLER POWER DISTRIBUTION SYSTEM

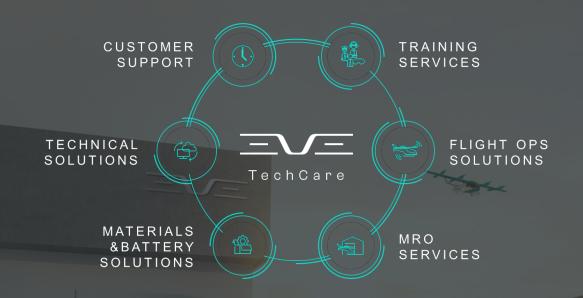


**INTERIOR** 





# CUSTOMER SERVICES - TECHCARE



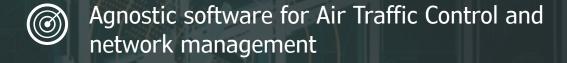
ALL-IN-ONE SERVICE PORTFOLIO PROVIDING HIGHER AIRCRAFT AVAILABILITY AND COSTS OPTIMIZATION



EMBRAER & CAE JOINT VENTURE SELECTED AS PILOT AND MAINTENANCE TRAINING PROVIDER

# vector

THE URBAN ATM SOFTWARE





Eve is advancing towards an operational version for customer test / trial to help scale UAM safely

Yector will optimize the airspace and air traffic network for all users





## UAM POTENTIAL IN SELECTED 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

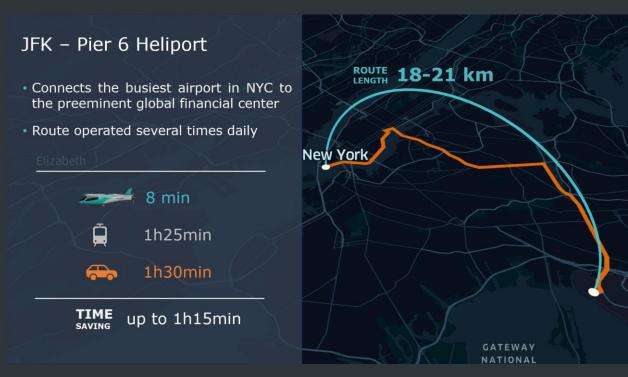
\$350M Annual revenues



# EVE'S LOWER OPERATING EMISSIONS

### eVTOL reduces travel time and emissions







sub-scale flight models, labs, rigs and numerical simulations Ground and flight tests will be performed at Gavião Peixoto Embraer Facility (GPX) in Brazil



# eVTOL ROLL-OUT: OPTIMAL FOR URBAN MOBILITY



8 counter-rotating lifters (for controllability and high safety levels)

Simple Lift + Cruise design – 8 lifters, 1 pusher

Simplifies maintenance, lowers operating costs, increases dispatch rate, potentially clearer path to certification

5th generation fly by wire – inherited from Embraer, enhances aircraft safety, passenger comfort





### **Engineering prototype upcoming steps**

- Multiple integrated ground tests to validate thrust, energy consumption, systems functionalities, sound and vibration
- Hover flights, for in-ground effect (IGE) and out-of-ground (OGE) characterization and assessments
- Partial transition (with rotors operating)
- Full transition



## LATEST PRODUCT DEVELOPMENTS



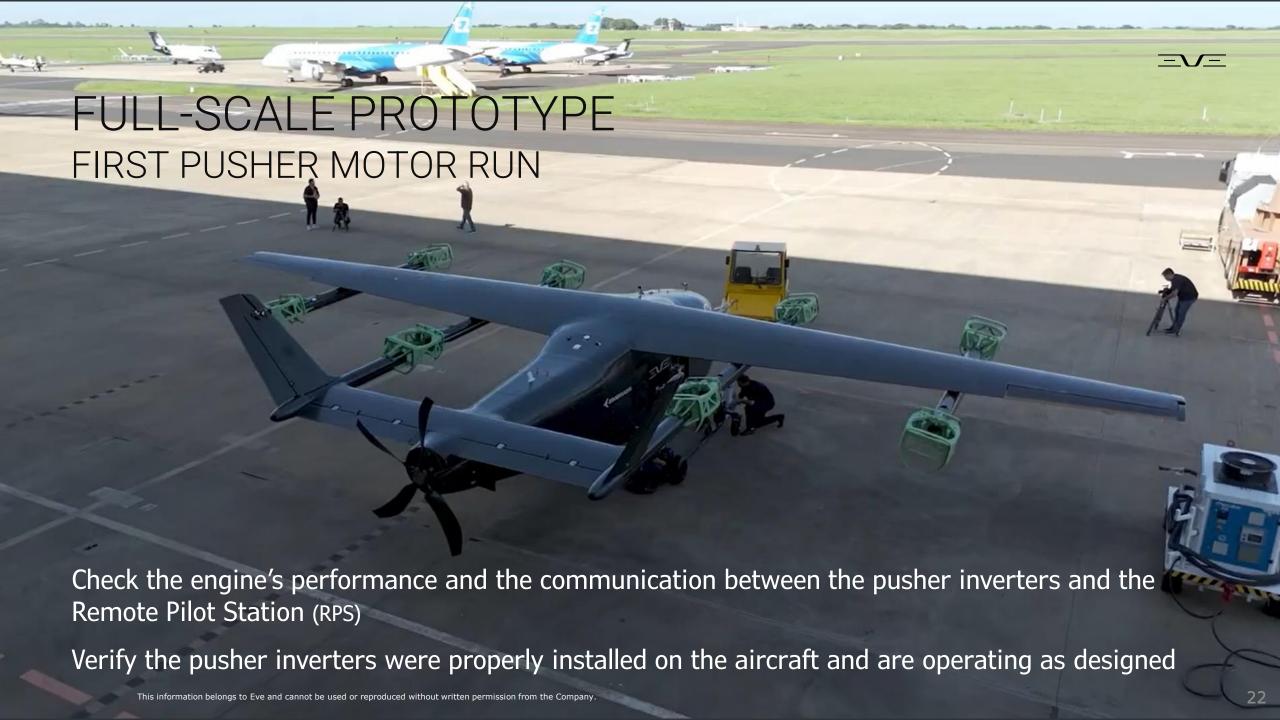
### FULL-SCALE PROTOTYPE TESTING PHASE

- Pusher motor turned on for thrust, vibration, sound, energy consumption (and other metrics)
- Lifter motors being produced and tested separately
- Wind-tunnel test with rotors on
- 1st flight expected by mid year 2025



# REGULAR ENGAGEMENT WITH CERTIFICATION AUTHORITIES

- After certification basis, Eve hosted meetings with Brazil's ANAC to define certification plan
- FAA visit to Eve's office in Brazil starting to align FAA validation process
- Meeting with Japan Civil Aviation Bureau (JCAB) to discuss regulatory updates, Eve's aircraft development progress, and certification process







# UNPARALLELED INFRASTRUCTURE



Simulate actual conditions to which rotors will be subjected in flight



# FLIGHT TEST INSTRUMENTS (FTI) INTEGRATION





# eVTOL DEVELOPMENT PHASES





INITIAL **DESIGN** 2023



**JOINT DEFINITION** 9M 2024

DETAILED **DESIGN** 1H2025

VERIFICATION 2027 2025/2026

TC | EIS **TYPE CERTIFICATION & ENTRY INTO SERVICE** 

- **DEFINITION OF INTERFACES**
- DEFINITION OF MANUFACTURING SYSTEMS
- PRELIMINARY PROJECT REVIEW
- SUPPLIER ENGAGEMENT

# FIRST eVTOL PRODUCTION SITE SELECTED

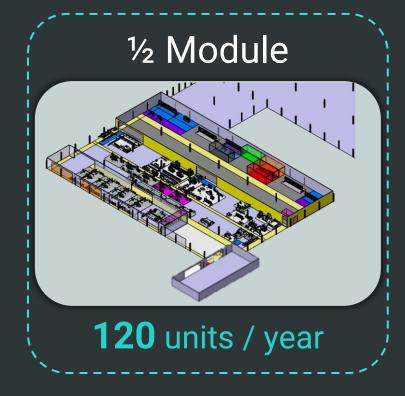


- TAUBATÉ SÃO PAULO, BRAZIL
- Production facility situated within Embraer's existing unit that will be expanded
- Strategic logistical location, proximity to Embraer's headquarters in São José dos Campos and Eve's engineering and business team

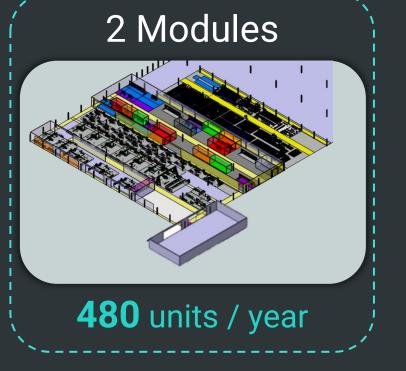


# MODULAR MANUFACTURING STRATEGY

Capital-efficient strategy to deploy manufacturing resources Growth in modules helps reduce risk and keep pace with market growth









# eVTOL, SERVICES & VECTOR CUSTOMERS\*

**eVTOL** 

28 customers in

9 countries

**SERVICES & SUPPORT** (EVE TECHCARE)

**14** customers in

**8** countries

AIR TRAFFIC CONTROL (VECTOR)

**21** customers in

**10** countries

Aircraft

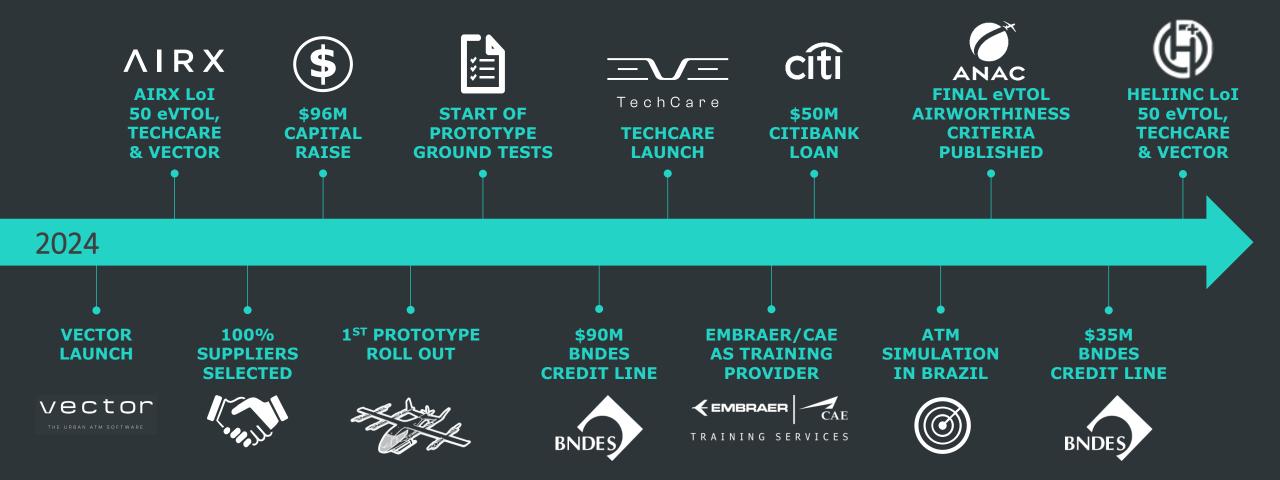
~2.8<sub>K</sub> ~\$14<sub>B</sub> **Pre-order Book Value** Based on current List Price

\$1.6<sub>B</sub> Potential Revenue



# EVE'S 2024 RECAP







# FINANCIAL PERFORMANCE

USD millions	4Q24	4Q23	FY24	FY23
INCOME STATEMENT				
Research & Development (R&D)	(33.7)	(33.6)	(129.8)	(105.6)
Selling, General & Administrative (SG&A)	(6.2)	(5.3)	(26.5)	(23.1)
Change in fair value of derivative liabilities	(5.4)	(0.6)	7.0	(10.4)
Interest Income / Other Non-Operating Expenses, net	3.7	2.0	11.7	14.9
Net Earnings / (Loss)	(40.7)	(39.3)	(138.2)	(127.7)
CASH FLOW		The Control of the Co		Replication.
Net Cash Used in Operating Activities	(38.7)	(24.5)	(136.0)	(94.5)
Net Additions to PP&E	(1.2)	0.0	(5.2)	(0.2)
Free Cash Flow*	(39.9)	(24.5)	(141.2)	(94.7)
Net Cash Provided by Financing Activities**	65.2	14.2	203.0	24.9
			2024	2023
BALANCE SHEET				
Other Assets			14.9	4.2
Total Payables			55.3	40.6
Cash, Cash Equivalents, Fin. Investments and Rel. Party Loan Receivable (Beg. of period)			241.1	310.6
Cash, Cash Equivalents, Fin. Investments and Rel. Party Loan Receivable (End of period)			303.4	241.1
Total Debt			132.0	25.8
Total liquidity including BNDES Standby Facility			428.6	316.3

#### Notes

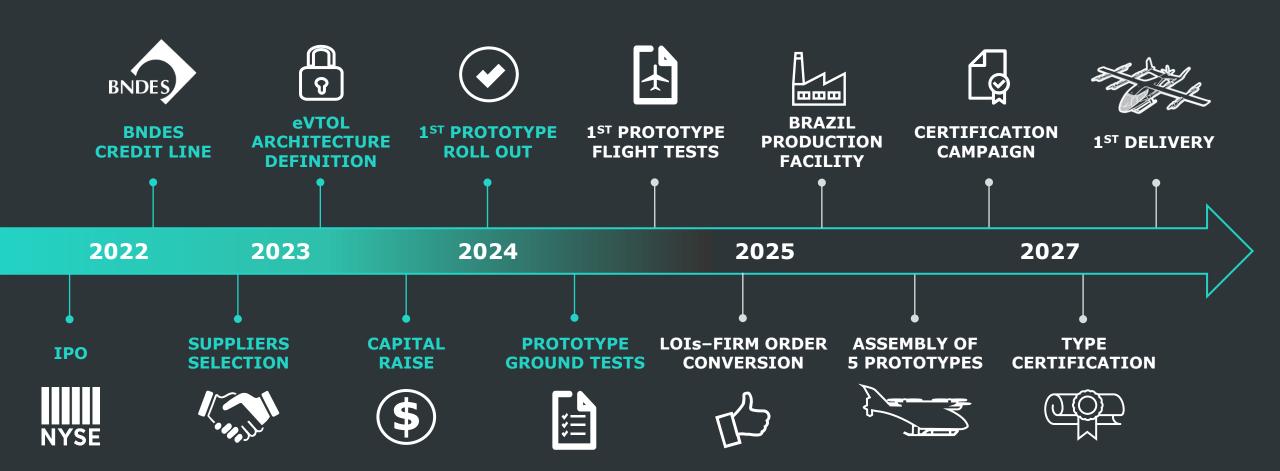
<sup>\*</sup> Free Cash Flow is a non-GAAP measure and includes Net Cash Used in Operating Activities, Net Additions to PP&E

<sup>\*\*</sup> Total Liquidity is a non-GAAP measure and includes Cash, Cash Equivalents, Financial Investments, Related Party Loan Receivable and undrawn BNDES standby facility









Timeline in graph not to scale



### SIGNIFICANT LONG-TERM UPSIDE

#### **Eve - Revenue Potential**

**Production @ Brazil facility** 

**eVTOL** deliveries/year

**Potential** Revenues\*

Price/Sales



Implied Price



**60** 

\$300M



\$3.70/shr



2<sup>nd</sup> phase

120

\$650M



\$8.00/shr



240

\$1,400M



\$17.50/shr



480

\$2,900M



\$36.00/shr

#### **Peer Valuation**

	<b>P/Sales</b>
Airbus	1.9x
Boeing	1.8x
Embraer	1.3x
Aviation average	1.7x
Tesla	9.6x
Rivian	2.8x
Lucid	9.4x
Polestar	1.1x
<b>Electric Vehicles</b>	5.7x
Average	3.7x

## 2025 MILESTONES





FULL-SCALE PROTOTYPE FIRST FLIGHT AND START OF FLIGHT TESTS



ALIGNMENT OF DETAILED CERTIFICATION PLAN WITH ANAC (BRAZIL) AND FAA (US)



INITIAL PRODUCTION OF CERTIFICATION PROTOTYPE



PREPARATION OF eVTOL MANUFACTURING AND TESTING FACILITIES

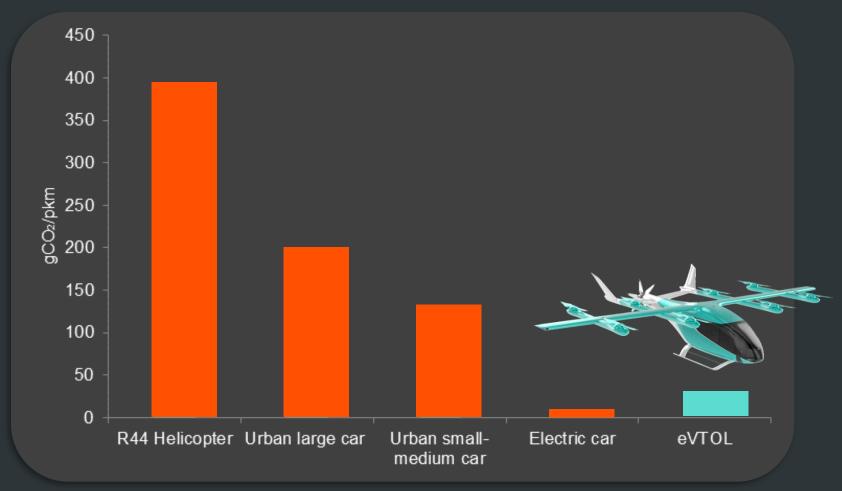


2025 TOTAL CASH CONSUMPTION BETWEEN \$200 AND \$250 MILLION\*



# EVE'S LOWER OPERATING EMISSIONS

### Operating emissions comparison vs. other urban mobility options



Sources: IEA Urban car Intensity | Global EV average intensity

Helicopter assumptions: 3.16 kgCO<sub>2</sub> per Jet A1 Liter for a R44 consuming 56l/h at a 209 km/h speed.



# CRUISE SOUND - HELICOPTER | eVTOL

### Cruise@ 1000ft Noise Benchmarking

Cruise phase encompasses most of the mission





eVTOL cruise blend into the 75 dB(A) average urban soundscape, which doesn't happen with helicopters

- 1. Expected cruise noise levels at the observer on ground.
- 2. Helicopter reference AS350
- 3. Audios absolute noise levels depend on the adjusted volume on sound device, but have relative difference as specified. Use headphones and adjust your sound volume based on your experience hearing a helicopter flying over at 1000 ft.



### RECHARGES ENHANCE OPERATING POTENTIAL

#### Battery charge (as % of total) throughout a typical day



- Design with current battery technology for 100km range
- Take-off, landing with disproportionately higher energy consumption; efficient in cruise
- Typical mission estimated at ~30km (20 miles), or ~15min.
- (20 miles), or ~**15min.**
- Fast charge in-between missions extend operating range, while respecting reserve requirements; slow charge extends battery life

#### Energy discharge during flight operations

TAT energy charge

Start of day	Mission 1	Fast recharge	Mission 2	ast recharge	Mission 3	Fast recharge	Mission 4	ast recharge	Mission 5	lay recharge	Mission 6	ast recharge	Mission 7	ast recharge	Mission 8	ast recharge	Mission 9	ast recharge	Mission 10	Slow night recharge
Σt		Fast		Fast		Fast		Fast		lid-day		Fast		Fast		Fast		Fast	2	O)



### SUSTAINABILITY BEYOND CLIMATE CHANGE

### **<b>★EMBRAER** | Decarbonizing Aviation Commitments



**Developing zero-carbon aviation products by 2050** 



Carbon neutrality in operations by 2040



100% renewable electricity consumption in all operations by 2030



Carbon neutral growth starting in 2022



50% diversity in hiring across all entry-level programs by 2025



20% of women in senior leadership positions by 2025

Eve's sustainability is consistent with Embraer's and draws on its extensive expertise in the aviation sector



# EVE'S END OF LIFE BATTERY LIFECYLE

Suppliers' transparency: environmental compliance, product composition, reverse logistics, appropriate destination procedures

BAE Systems and Eve collaborating on end-of-life battery capabilities

Eve to offer battery swap, second life options and end-of-life solutions, standardized charging stations





