

# The next global aviation race: Zero Emissions



























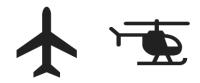








# Certified Aircraft – Not Drone





Traditional aircraft designed to carry people are certified against stringent safety criteria by the FAA & the Joby aircraft follows this path.



#### **Drones**

Unmanned aircraft have been allowed to fly without design certification provided they don't put people on the ground at risk.





# Meet Joby

A **vertically integrated** transportation company

We **develop**, **test**, **manufacture** and will **operate** a revolutionary new aircraft

Plan to launch our **app-based** aerial ridesharing service directly to end-users

1000+ employees across California, Washington DC and Munich, Germany



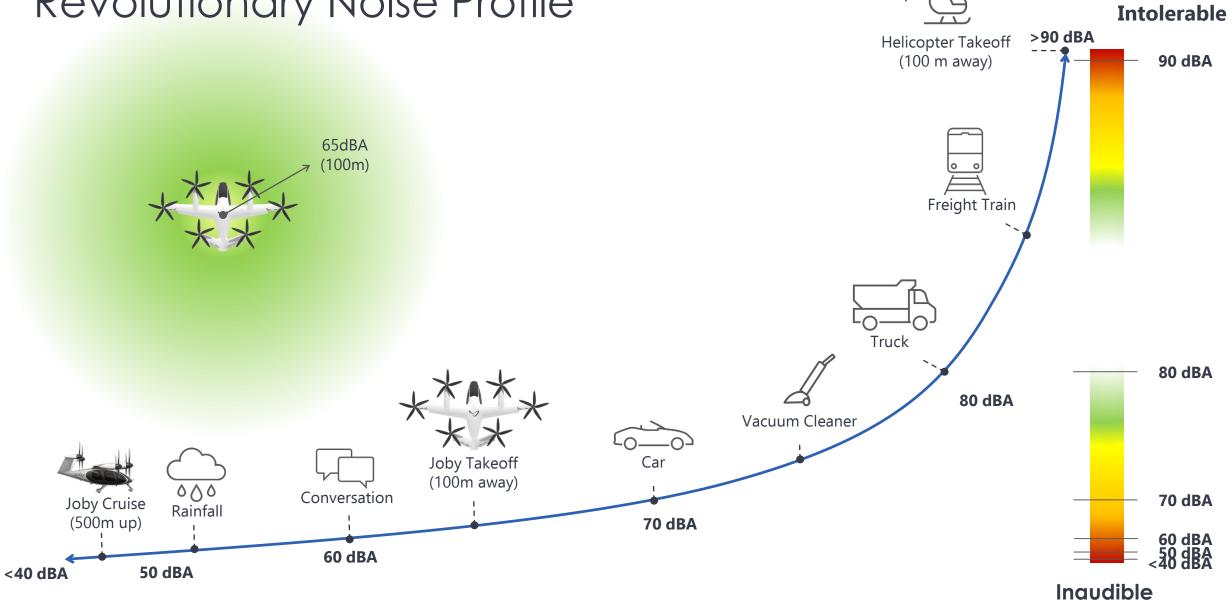


# Redundant propellers Motors & batteries drive each propeller

## Airliner redundancy

- + Flight computers
- Communications networks
- + Motors
- + Actuators
- + Control surfaces
- Propellers
- Battery packs

# Revolutionary Noise Profile







## A lot can happen in a few years...

2016	First deal to curb aviation emissions agreed in landmark UN accord
2021	Major U.S. Airlines Commit to Net-Zero Carbon Emissions by 2050
	Europe's aviation sector launches ambitious plan to reach net zero by 2050

2022 ICAO sets goal of Net Zero Emissions by 2050 at Assembly



## From Reducing Carbon

# Today's Aviation Fleet SAF Jet A

SAF Emissions

Less CO2

NoX

Vapor Trail Vapor Trail

#### To Emissions-Free Aviation



#### Era of Electric Aviation



**Emissions** 

No CO2

No NoX

No Vapor Trail



**Emissions** 

CO2

NoX

#### **Environmental Impact**

What is Joby doing to reduce impacts?

#### Air:

✓ Zero emission aircraft operations: no CO2/GHGs, no water vapor trail, no criteria/toxic air pollutants

#### **Energy**

- ✓ Sourcing 100% renewable energy at our primary facilities
- ☐ Sourcing 100% renewable energy at all Joby owned/operated Skyports

#### Water

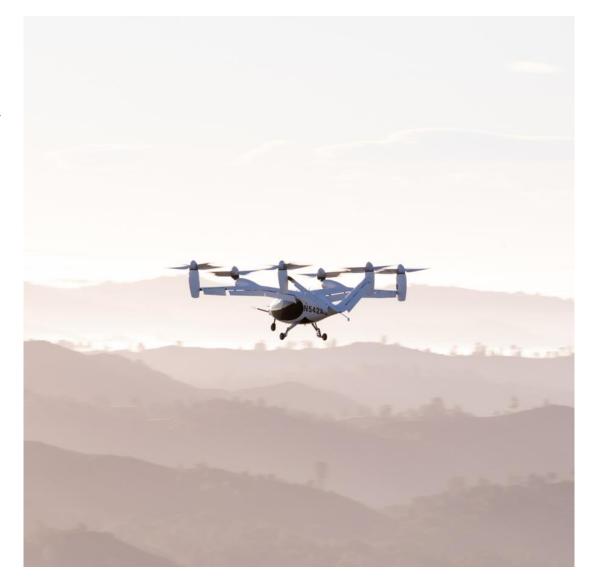
✓ Responsible water usage at all facilities

#### Waste

- ✓ Working to minimize manufacturing waste
- Implementing recycling programs for office and manufacturing waste

#### Sustainable Design

✓ Designing an aircraft efficient in manufacturing and in flight





#### **Environmental Impact**

#### LIFE CYCLE EMISSIONS

How does the Joby \$4 compare

