



Decarbonizing & democratizing air travel



Heart Aerospace has a clear mission. We work to decarbonize and democratize air travel. We believe in electrification. Not only to bring down emissions and build a sustainable future, but to make flying accessible for the many, around the world.

Electric planes are cheaper to operate and can unlock convenient and effective regional traveling, a market that today is restricted by the difficulty of making a sustainable profit. Our mission is about taking electrification to the skies, helping our customers build their businesses, and the traveling public to access an amazing and sustainable service.

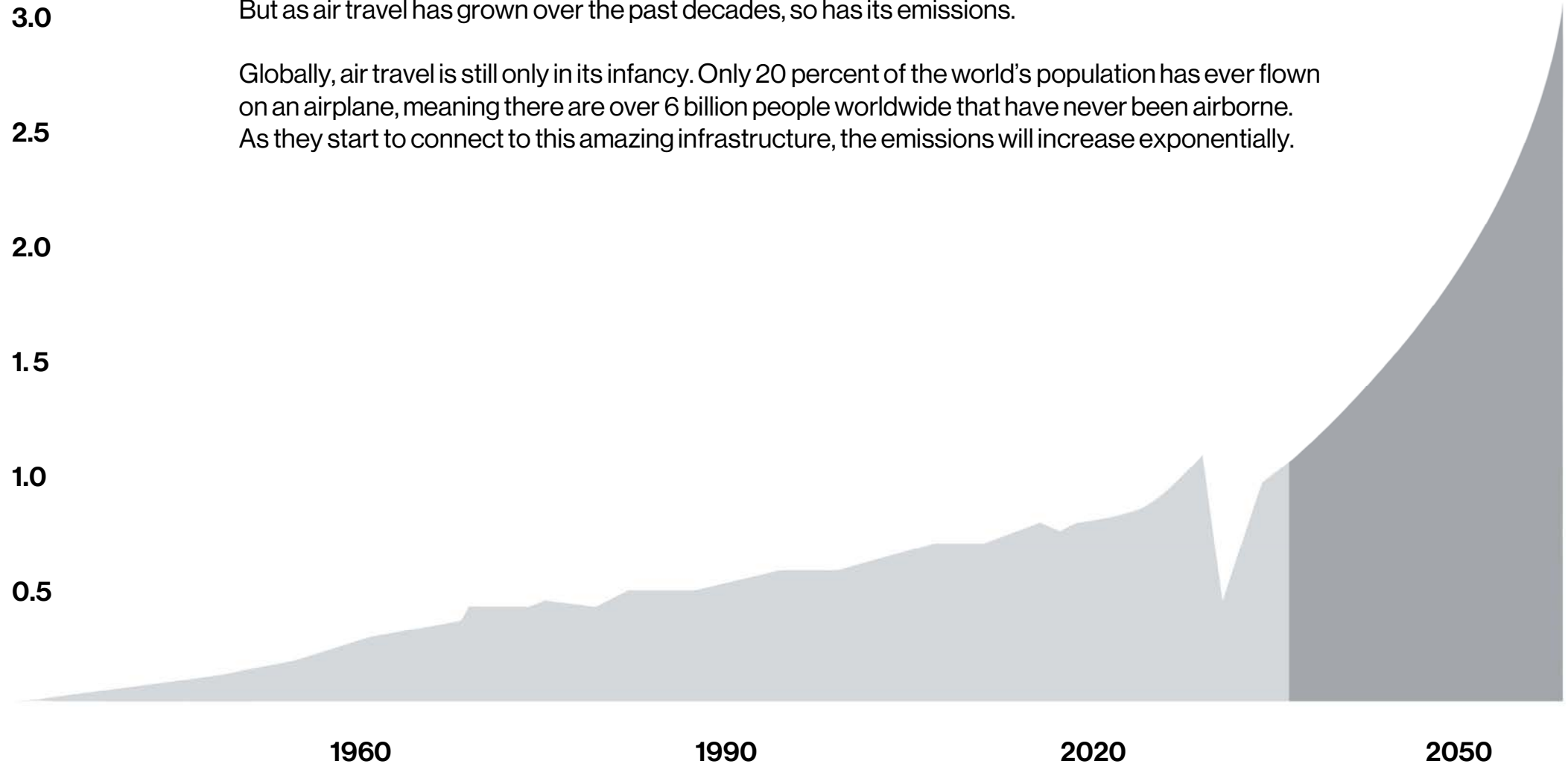




Aviation's CO₂ emissions are on track to triple by 2050¹

Air travel is remarkable, allowing us to comfortably get anywhere on the planet in less than a day. But as air travel has grown over the past decades, so has its emissions.

Globally, air travel is still only in its infancy. Only 20 percent of the world's population has ever flown on an airplane, meaning there are over 6 billion people worldwide that have never been airborne. As they start to connect to this amazing infrastructure, the emissions will increase exponentially.





We need to break the trend

2023 was the planet's warmest year on record, by far, according to an analysis by scientists from NOAA's National Centers for Environmental Information (NCEI).

We need to break this trend. Airlines are doing a lot of good things, from better route planning to higher load factors, to mixing in biofuels, making offsets, and buying aircraft with more efficient jet engines. And that's great. But it's not enough.

We need new technology, and a new generation of aircraft, that can completely decarbonize air travel.



High costs have led to massive air connectivity losses in the last 20 years

2x

Fuel/km on a 100km flight vs a 1000km flight¹

Limited maintenance cost savings for regional aircraft vs. larger planes



-50%

Decline in <100 PAX regional aircraft fleet²

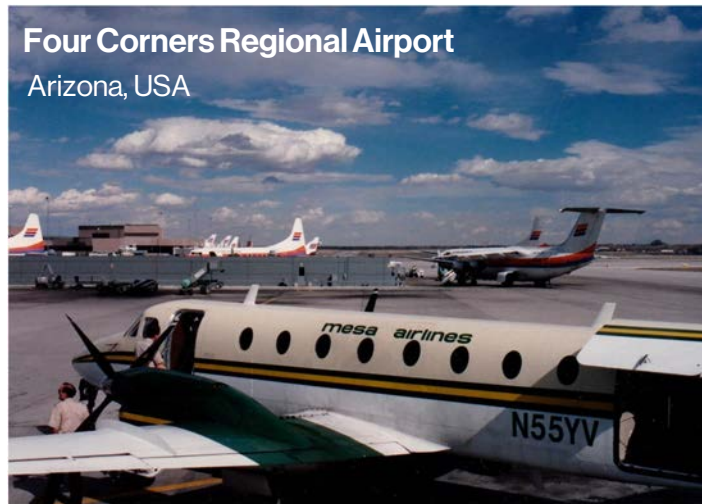


-150

communities lost air service³

The economics of jet engines have created a disconnecting world

Thousands of airports worldwide have little or no service despite skyrocketing demand for air travel



1983: 6 airlines, 38 departures per day



2017: No scheduled services

¹ CO₂ emissions from Commercial Aviation. ICCT, 2019

² Trends in development of aircraft for regional routes, 2019

³ How has air service change over time? US TRB, 2019



Introducing the

ES-30TM

A clean-sheet hybrid-electric design engineered to reignite regional aviation



ES-30™ value proposition

Climate

Zero CO2 emissions on short routes.

Cost

Substantially lower total operating cost, improving even more as technology evolves

Connectivity

Short runway length and low noise enable new route opportunities from smaller airports



Reserve Hybrid®

30
passengers

25kg
luggage/passenger

200km
all-electric range

800km
hybrid range
(25 PAX)

1100m
runway length

30min
charge time

2029
type certification
(target)



Battery electric aircraft solves regional aviation's climate and cost problems

Battery electric aircraft will bend the emissions curve...

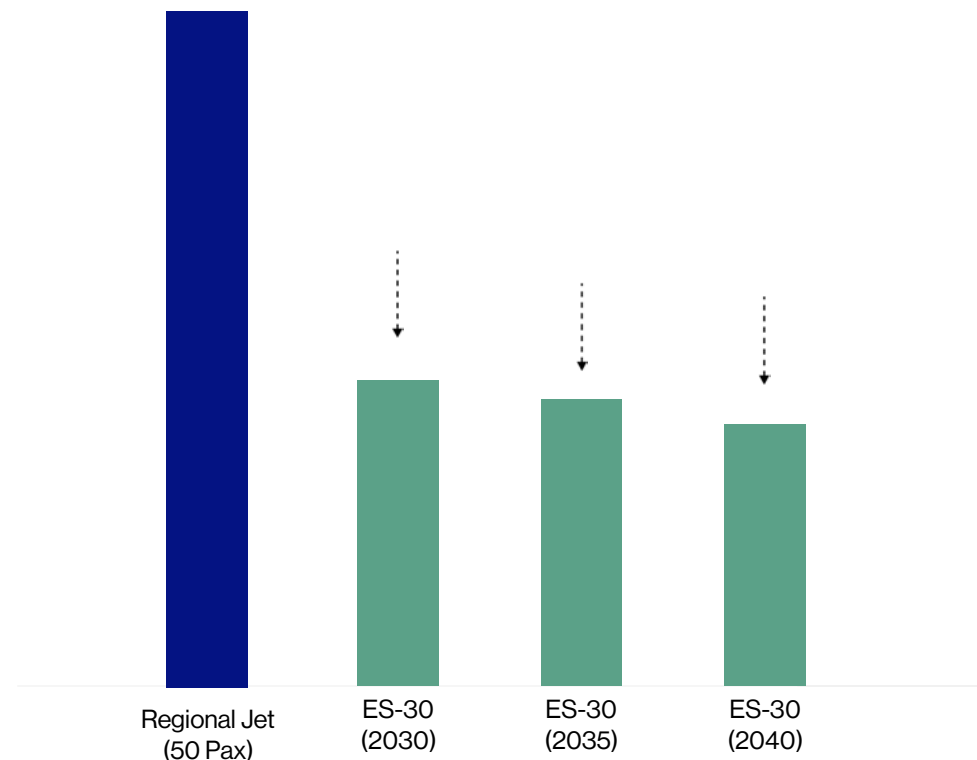
-22%

Expected reduction of total industry emissions from electrification of regional aviation by 2050¹



...and rewrite the business case for regional aviation

Total direct operating cost (DOC) per trip is much lower vs conventional aircraft making previously unprofitable routes profitable²



¹ Heart Analysis - Addressable Market

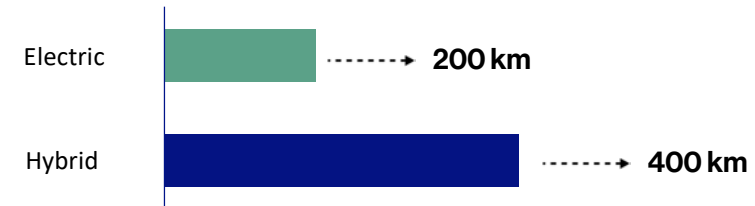
² Heart Analysis - ES-30 Operating Costs 200km



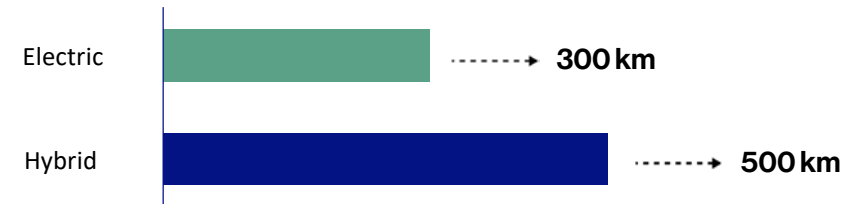
Longer electric range as batteries evolve¹



Late 2020's



Mid 2030's



Late 2030's



Meet Heart Aerospace

Who we are

- ✓ Founded 2019 (Y Combinator W19)
- ✓ Headquartered in Gothenburg, Sweden
- ✓ Team of 100+ with deep experience building and certifying aircraft around the globe
- ✓ Raised \$145M to date by leading climate tech VCs and strategic investors

What we do

We're building the platform to power a new era for regional aviation

- ✓ Taking the most direct and credible path to bring electric flight to commercial service by the end of this decade
- ✓ Building the ecosystem of related infrastructure and services to unlock the regional aviation market's full market potential





How we work

To mature our concept and bring the ES-30™ through testing and certification before entry into service we have adopted an iterative design model, with continuous iterations, tests, and real-life demonstrations to validate our progress.

Electric motor rig



Proving cost efficiency of electric propulsion in 2020.

Subscale flight



Validating flight characteristics and profile for electric aircraft in 2021.

“Iron bird” integrated test facility



Full-scale test bench for design and integration of key aircraft systems in 2022.

Fullscale Heart® Demonstrator



Coming in 2024, flying in 2025: demonstration of ES-30™ propulsion architecture in operation.



Investor inquiries

investorrelations@heartaerospace.com

Press inquiries

press@heartaerospace.com

Commercial inquiries

sales@heartaerospace.com

Supply chain inquiries

procurement@heartaerospace.com