



VERTICAL



# INTRODUCTION TO VERTICAL AEROSPACE

BRETT PETERSON



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Vertical Aerospace is using technology to revolutionise how people fly, by making air travel personal, on-demand & carbon free

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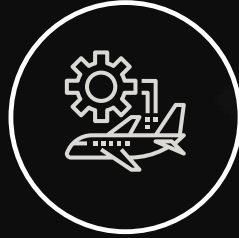
# THE JOURNEY SO FAR...



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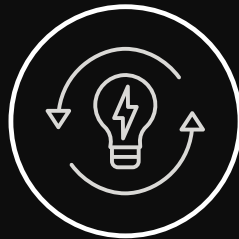
## Aviation

Advances in design  
Electric flight



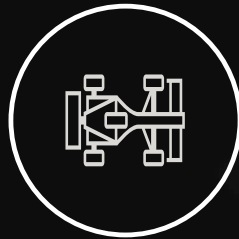
## Energy / Renewable

Battery technology  
Electric grids



## F1 / Automotive

Hybrid power  
Lighter structure materials  
Carbon fibre  
Aerodynamic design



# 2016

Vertical Aerospace launched  
by Stephen Fitzpatrick,  
combining best of aviation,  
energy & automotive



# 2018

Our first eVTOL aircraft was granted flight permission by the Civil Aviation Authority

✓ POC first flight

# 2017

A team of six engineers design and build the first demonstrator model

✓ First tethered flight

# FUTURE

We are working with EASA to gain Type Certification for our next aircraft, with safety at the forefront of all designs

✓ Work closely with regulators

✓ Commercialisation



POC

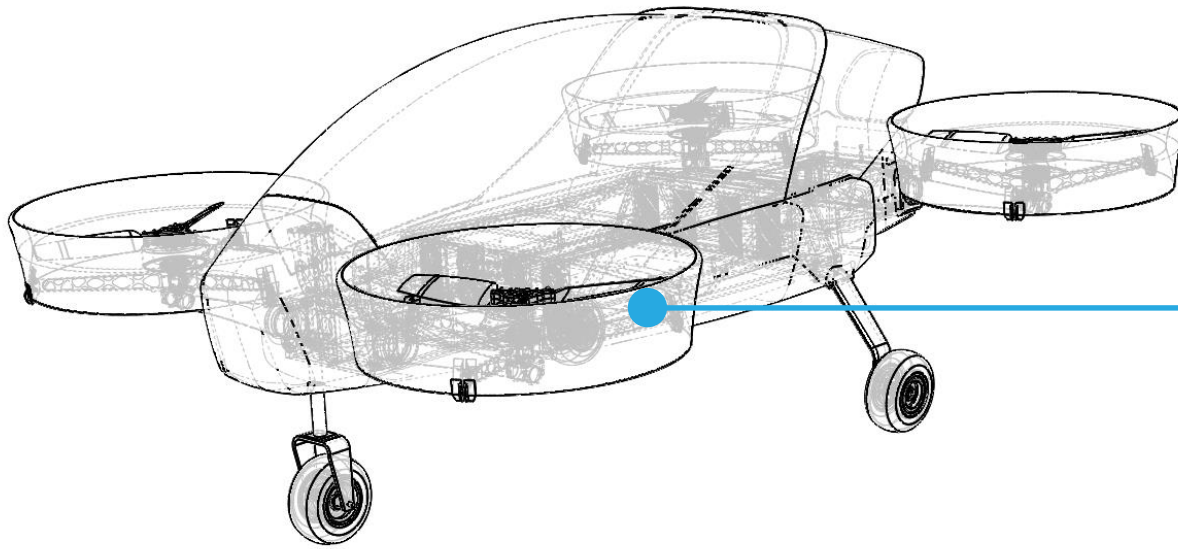




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Built by a team of six engineers. Flew in **September 2018** with CAA approval

Four ducted rotors

VERTICAL AEROSPACE **POC**

FULL SCALE PROTOTYPE

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# POC FIRST FLIGHT





# THE TIMES

“All hail the electric flying taxi”

# The New York Times

“British air taxi firm takes  
flight inspired by F1 racing  
advances”



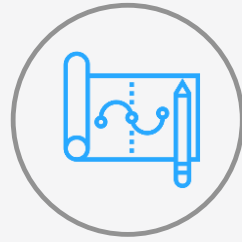




# PARTNERSHIPS

# ATKINS

Member of the SNC-Lavalin Group



Developing blueprint  
for Urban Air Mobility

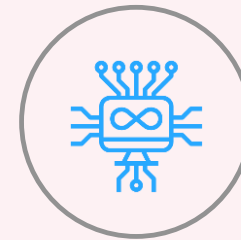


Vehicle safety &  
certification support

# Honeywell



Use of fly by wire aircraft  
control systems on  
future aircraft.



Latest flight systems  
for urban air mobility




Integrated into a flying  
prototype in 2020



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**WHAT DOES  
THE FUTURE  
HOLD?**

# 2020

Launch the aircraft we will take  
through to certification

✓ Demo flights

# 2019

Test flights of our  
next aircraft

✓ CAA flight approval

# 2023

Growing team significantly  
to facilitate this

✓ Aircraft certification





**THANK YOU FOR  
YOUR ATTENTION**



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