



THE ULTIMATE WAY OF TRAVEL

HyLevio – april 2021

TODAY'S INTERCITY TRAVEL IS STILL TIME-CONSUMING, INCONVENIENT, **NOT SUSTAINABLE**



short-haul flights:

351 mio passengers in europe
on flights **below 500km** every year

- 80% of airports need a transfer of 44+ minutes
- modal shift to high-speed rail is not possible
- short haul is often not profitable for airlines



URBAN AIR MOBILITY: ARE THEY SOLVING THE CHALLENGES?

vtol aircraft come in many shapes...

multi-rotor



example: volocopter

lift + cruise



example: cora

tiltwing/-rotor



example: joby

vectored thrust



example: lilium

300 km

growing complexity to cover increasing range

30 km

... but batteries do will not provide
sufficient energy to serve intercity connections

SOLUTION: SUSTAINABLE AND AFFORDABLE INTERCITY FLIGHTS IN A **HYDROGEN-POWERED** VTOL AIRCRAFT

we combine cutting-edge **VTOL technology** with the **powertrain of the future**.
HyLevio connects cities, emission free, without the need for large airports.



compared to battery-powered vtol

• **> 10x** net specific energy

• **> 30%** lighter aircraft structure

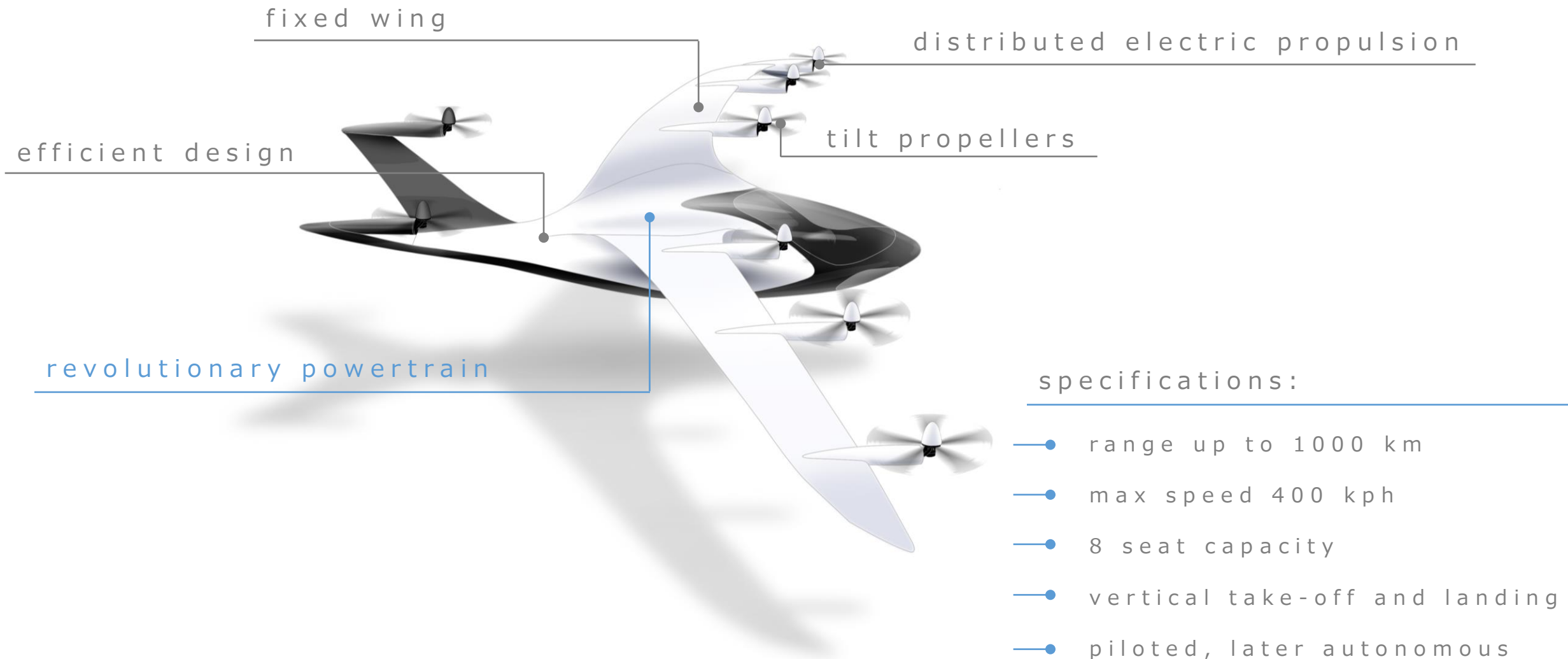
• **< 50%** total cost

compared to commercial short-haul aviation

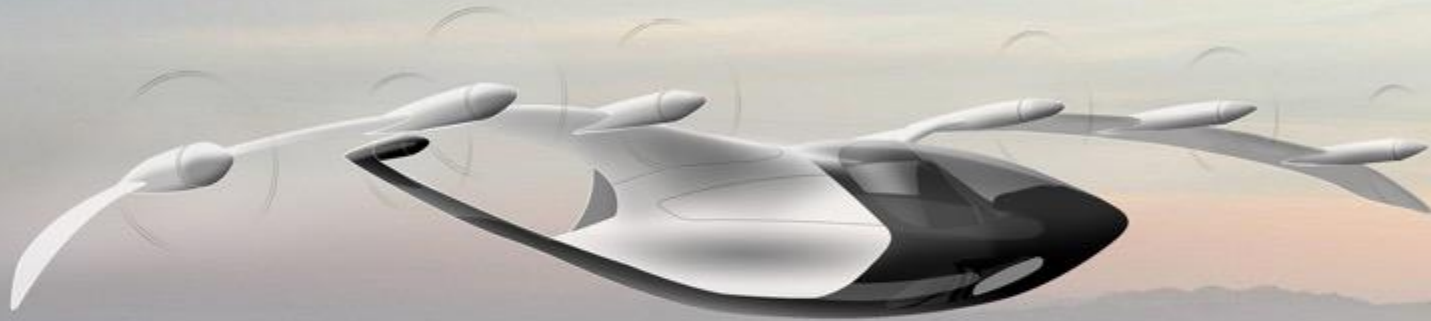
• **< 10%** of life-cycle emissions per pkt*

*passenger kilometers traveled

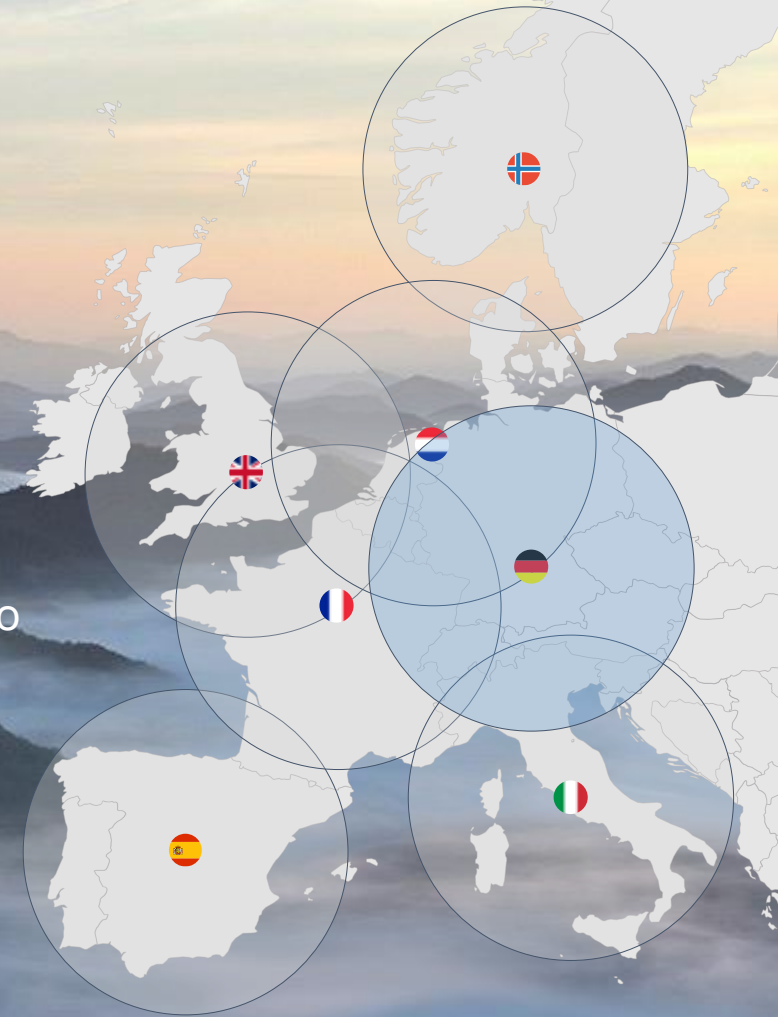
A CLOSER LOOK: THE FIRST HYDROGEN-POWERED FIXED-WING VTOL. SAFE, SILENT, AND EFFICIENT



VISION: TRULY SEAMLESS INTERCITY AIR MOBILITY IN AN INTEGRATED CROSS-COUNTRY NETWORK



we strive to establish a new way of intercity travel, to
... connect people and bring them closer to what they love
... eliminate unsustainable short-haul fossil aviation
... rid the dream of flying from its sardine-tin feel



OUR JOINT AMBITION: CHANGE THE WORLD FOR THE BETTER

we build on deep scientific knowledge with hands-on skills, business talent, creativity and ambition as well as great friendship among the founders

www.hylevio.com
info@hylevio.com



Pia Schmitz
business lead



Nicolas André
product lead



Dr. Philip Wacker
technical lead

