



Moving closer to Commercial Launch: **A Reality Check on Challenges**

European Rotors 2023 | Volocopter GmbH



Volocopter is
**FIRST TO GO LIVE
COMMERCIALY**
within major global
megacities

Paris 2024

- 1st** Commercial City-launch industry-wide
- 5** Routes selected for market launch
- 5** Vertiports in implementation



PRODUCT CERTIFICATION

Simple vehicle design,
highest safety and
long-term cooperation
with EASA pave the
way to make urban air
mobility a reality



SAFETY BY DESIGN

VoloCity's unique design
addresses all common safety
issues to the highest level



TECHNOLOGY PROVEN

2,000+ tests flights conducted
worldwide on five generations of
the VoloCity



TYPE CERTIFICATE ON TRACK

MOCs completed. Certification
Plans stabilized. Compliance
Demonstration progressing



DESIGN ORGANIZATION

Design Organization Approval in
place since 2019



PRODUCTION ORGANIZATION

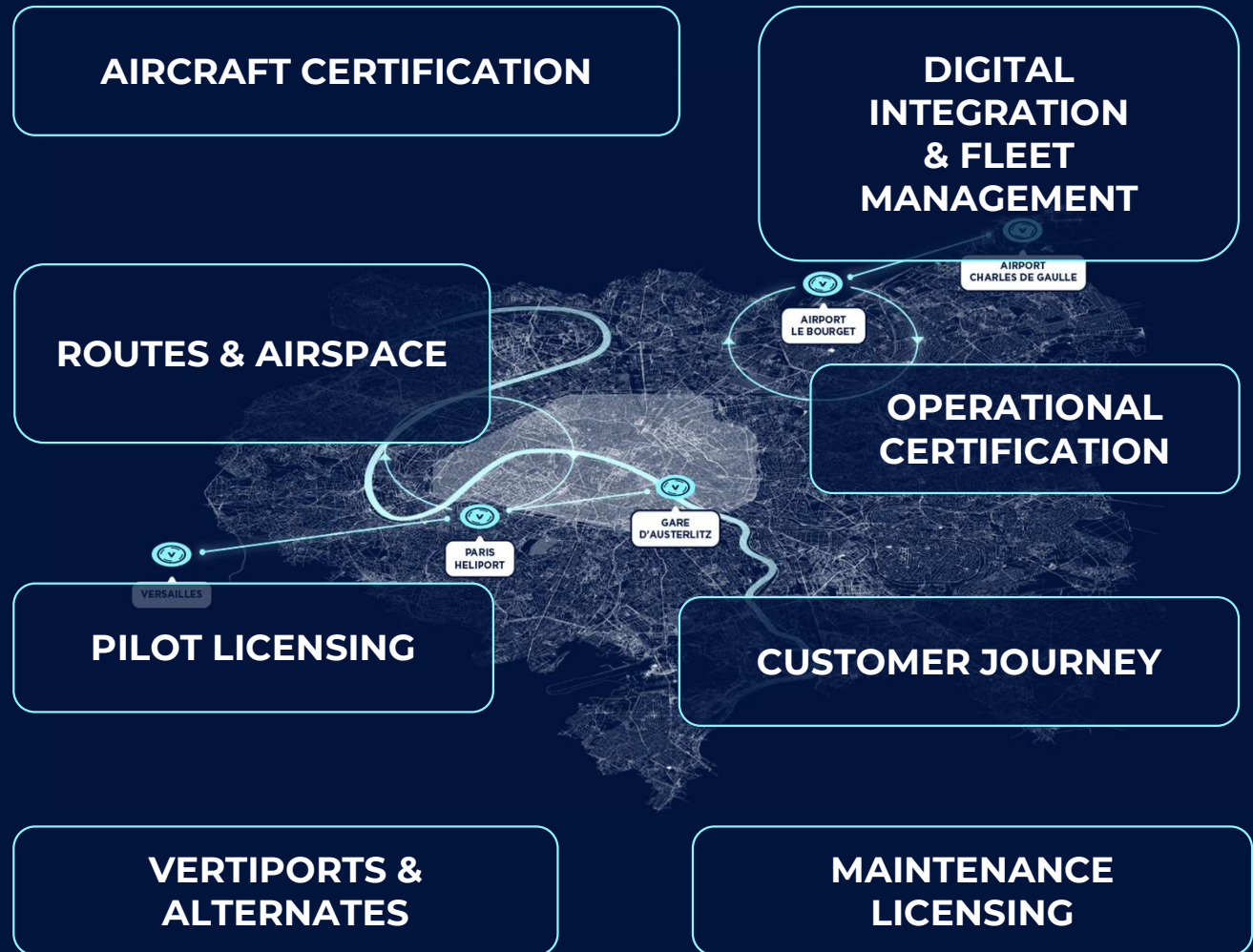
Production Organization
Approval in place since 2021 and
reference factory built up



AIR OPERATOR CERTIFICATE

Operating company implemented
since 2023, Air Operator Certificate
nearing approval

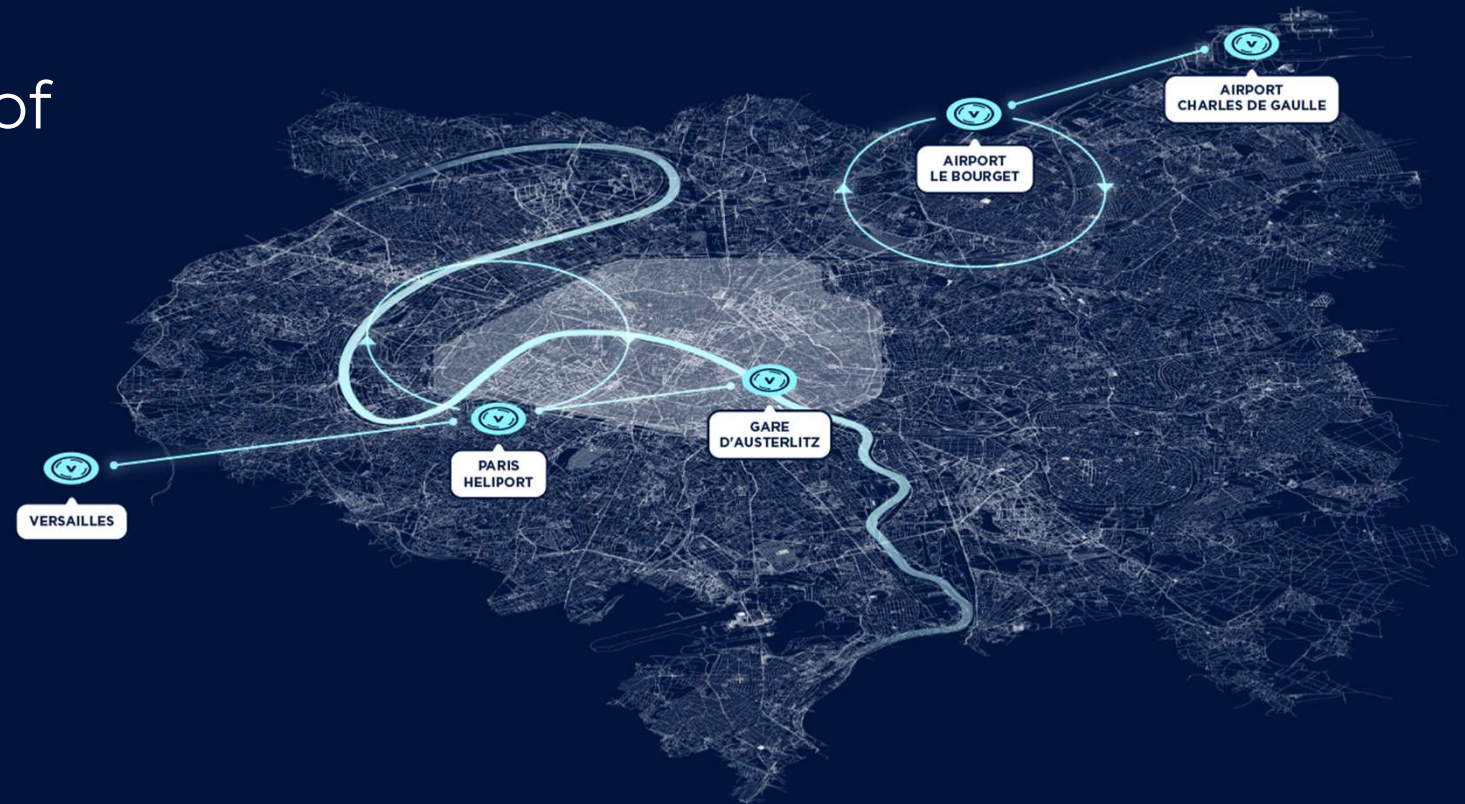
... but moving closer to commercial launch, let's take a **REALITY CHECK ON THE CHALLENGES STILL AHEAD**



ROUTES AND AIRSPACES.

Differing local interpretations of EASA's vision¹.

Established
helicopter routes
vs.
Dedicated
corridors
vs.
Integrated 4D
trajectories



VERTIPORTS AND DIVERSION LOCATIONS

EASA provides the framework, but clarity at national level needed.

PART IAM for VTOL
vs. Part-CAT for rotorcraft

EASA vertiport regulation
vs. national design
requirements

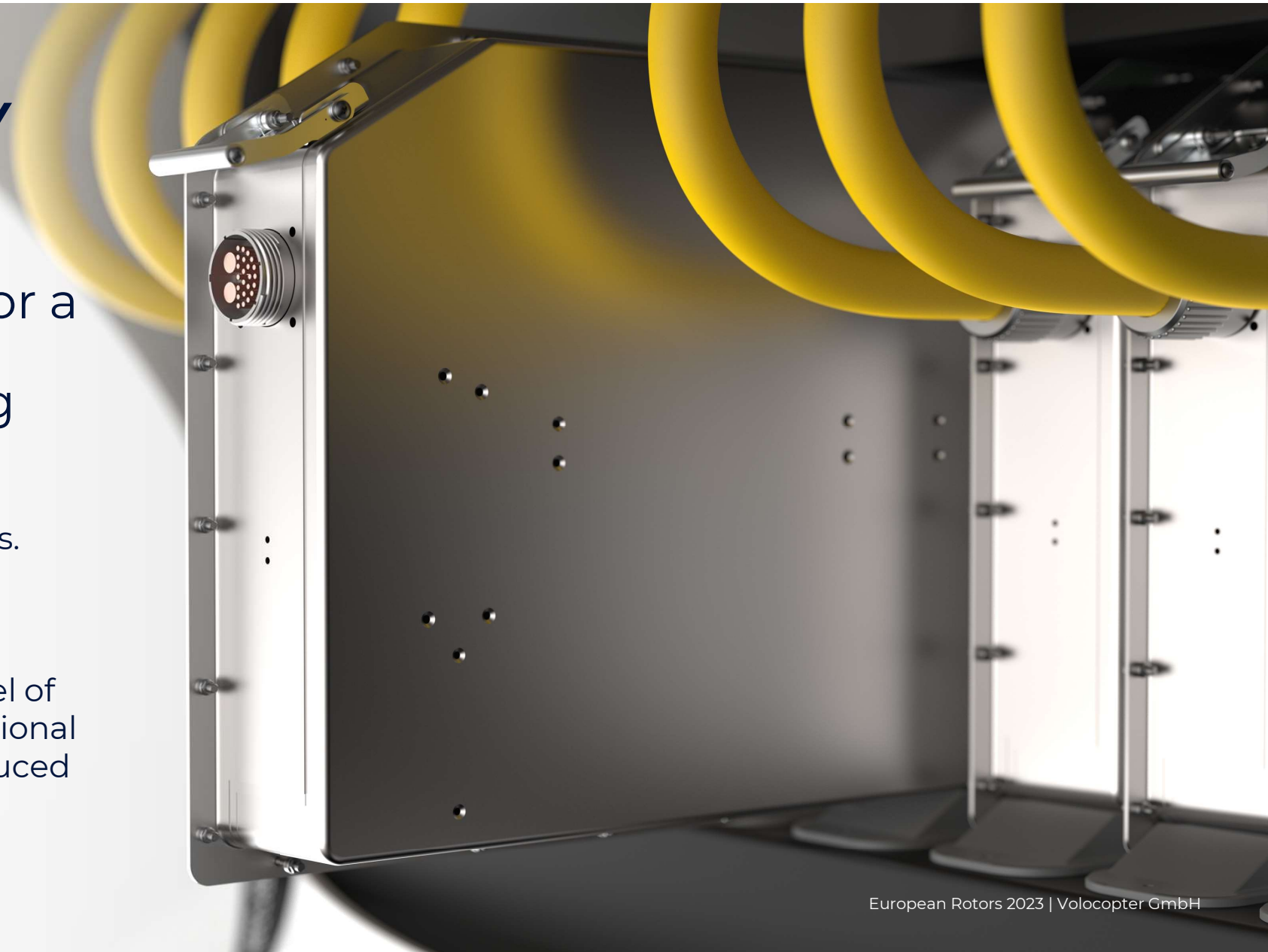
New concept: diversion
location

FUEL/ENERGY RESERVES

Conceptually
sound. Need for a
common local
understanding

Time-based reserves vs.
performance-based
approach

Keeping the same level of
safety vs. adding additional
margins/reserves (reduced
operational flexibility)



OPERATIONAL ASPECTS OF AIRCRAFT CERTIFICATION.

SC VTOL sets the certification requirement to the highest levels of safety, but ...

Concerns remain from authorities regarding:

Downwash impact

Wake turbulences

Security and Environmental concerns



PILOT LICENSING.

Enable licensed
pilots to start and
scale up operations.

License endorsement by
national authorities

Dedicated path for VTOL
pilot licenses



Despite challenges...

**WE ARE READY TO
REACH FINISH LINE**

through our

**LONG-TERM
COOPERATIONS
ACROSS THE ENTIRE
ECOSYSTEM**



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VOLOCOPTER

BRINGING URBAN AIR MOBILITY TO LIFE

