



GRASSHOPPER

1000

The Only Drones that Drive the Last Mile

Smart air mobility integration into the ground logistics infrastructure



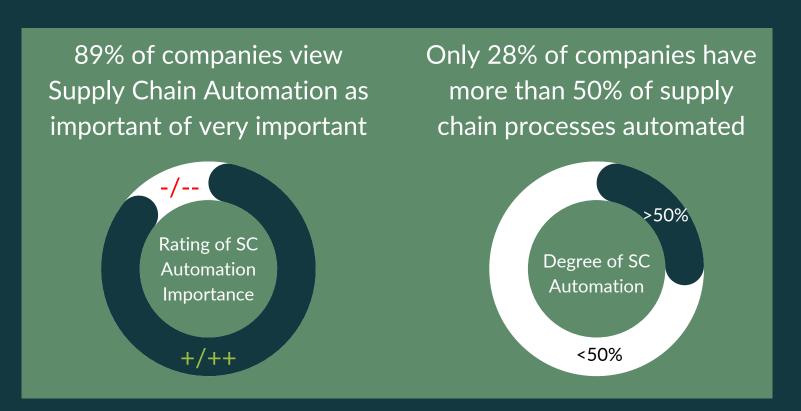
We revolutionize mobility with fully autonomous and sustainable flight-drive drones.

Founded: 2023

HQ: Barcelona, Spain



Industrial Supply Chains Struggle with Automation Gaps



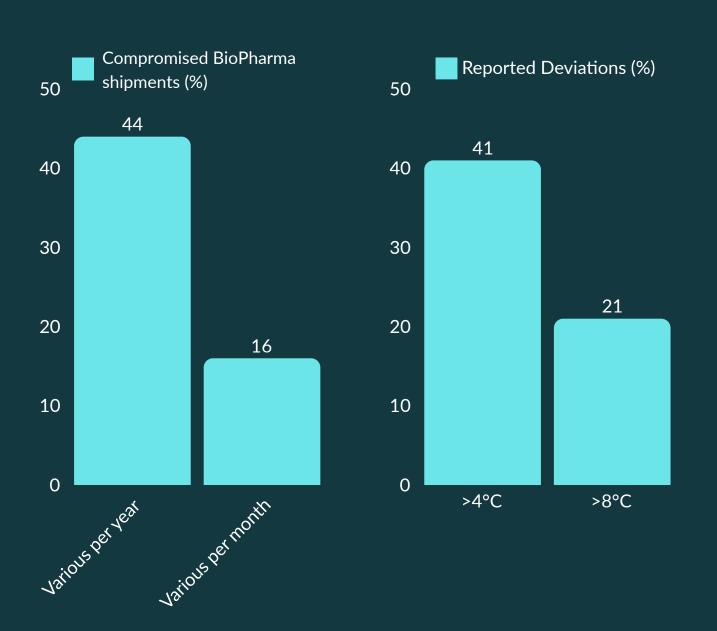
Automation leads to procurement cost savings of up to

40%

Automation lacks mostly in B2B Inland Transportation segments:



Cold Chain Failures are a Billion Dollar Challenge



70%

of EU companies lack efficient logistics cold chain capabilities at scale. 90%

use multiple disconnected solutions to collect data across the cold chain.

56%

use visibility tools in the cold chain but find them unsatisfactory.

The biopharma industry loses \$35Bn annually due to failures in temperature-controlled logistics.

These losses include spoiled products, clinical trial interruptions, and logistics inefficiencies.



Current Air Cargo Logistics Can't Solve Automation and Cold-Chain Challenges



Manual Process Reliance

Cargo handling and ground logistics depend on manual labor



Landing Space Bottelenecks

Limited landing space availability and movement constraints after landing



Ground-Integration Gaps

Current air logistics systems do not seamlessly integrate with ground logistics



Remote Areas Inaccessible

Scalable Air Cargo solutions do not reach rural and isolated Regions.







- 1. VTOL Drone w/ drive capability
- 2. Cargo Container w/ batteries
- 3. Charging and Loading Station (CLS)



One Autonomy Software

- 1. Flight
- 2. Drive
- 3. Cargo Handling
- 4. Charging



One Logistics Application

- 1. Logistics Management
- 2. Interface to 3rd Parties
- 3. Route Planning
- 4. Data Room

Cargo Drone Technology built specifically for Industrial Logistics

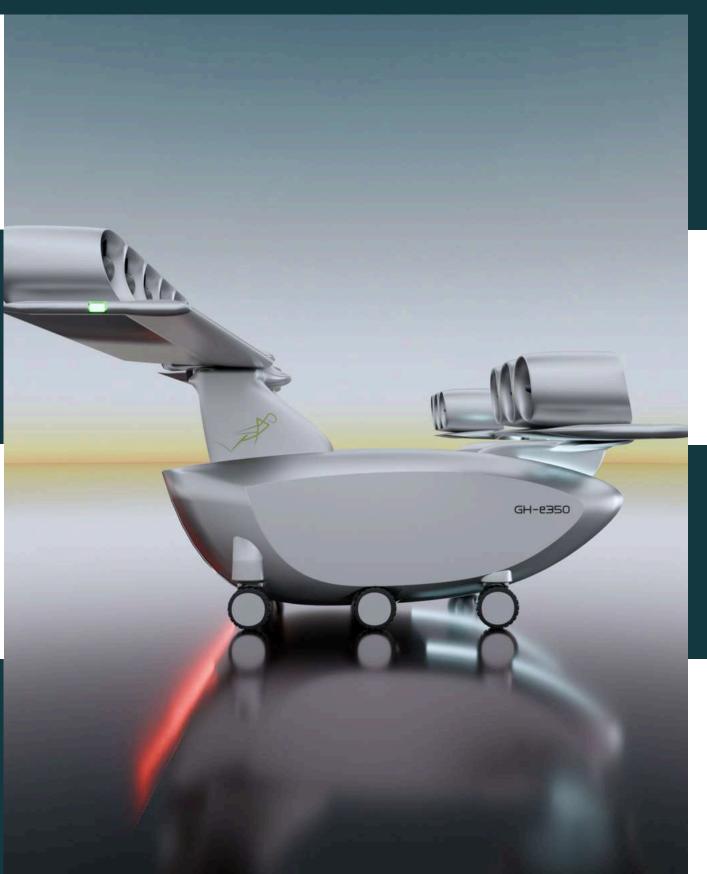
One 350 kg Pallet
Maximum Payload

electric: 200 km hybrid hydrogen: 600 km

Flight Range

100 km in < 30 min Flight Speed

10 km Drive Range



1,87 cm3Cargo Container Volume

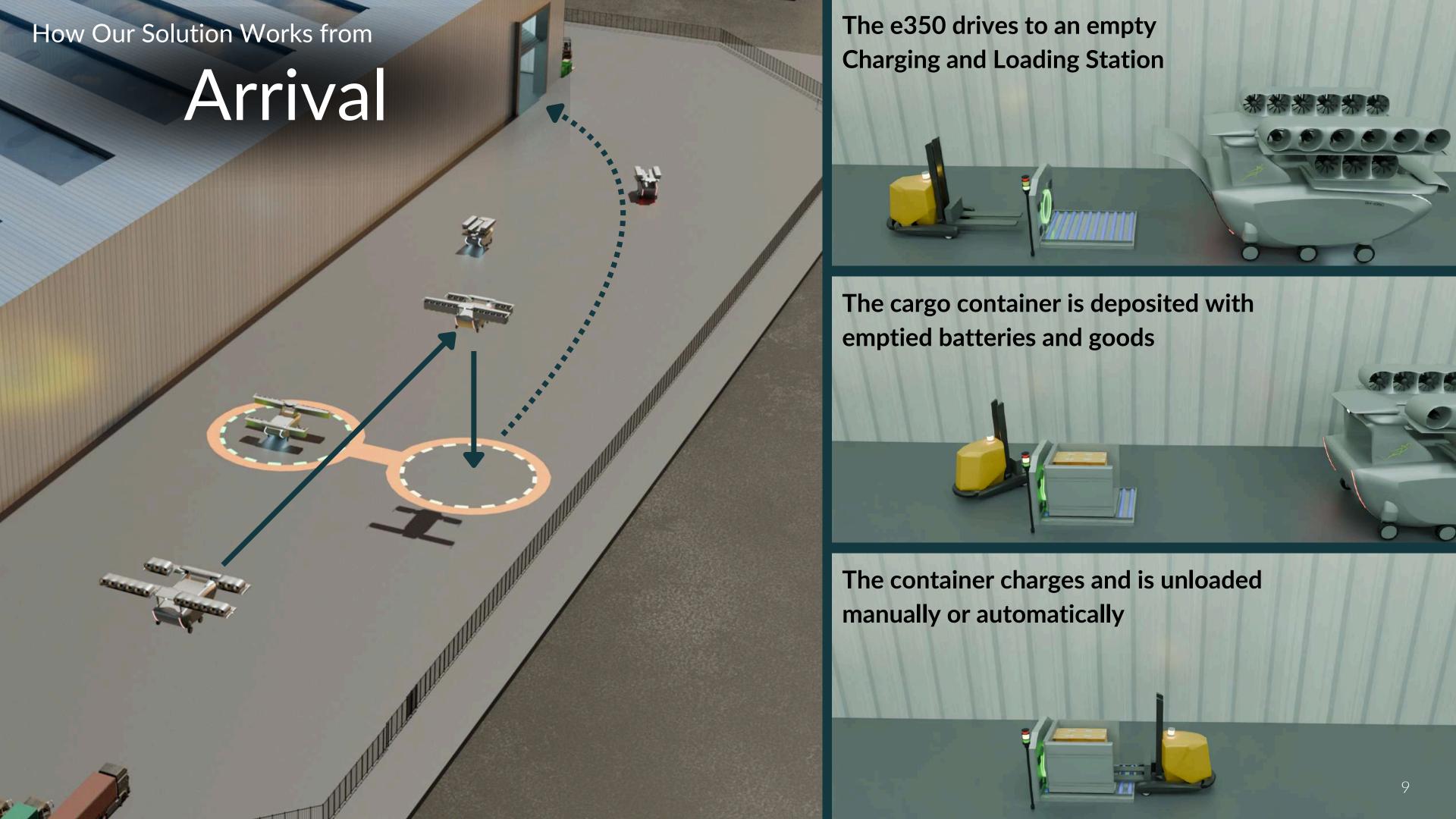
unfolded: 8.4 m

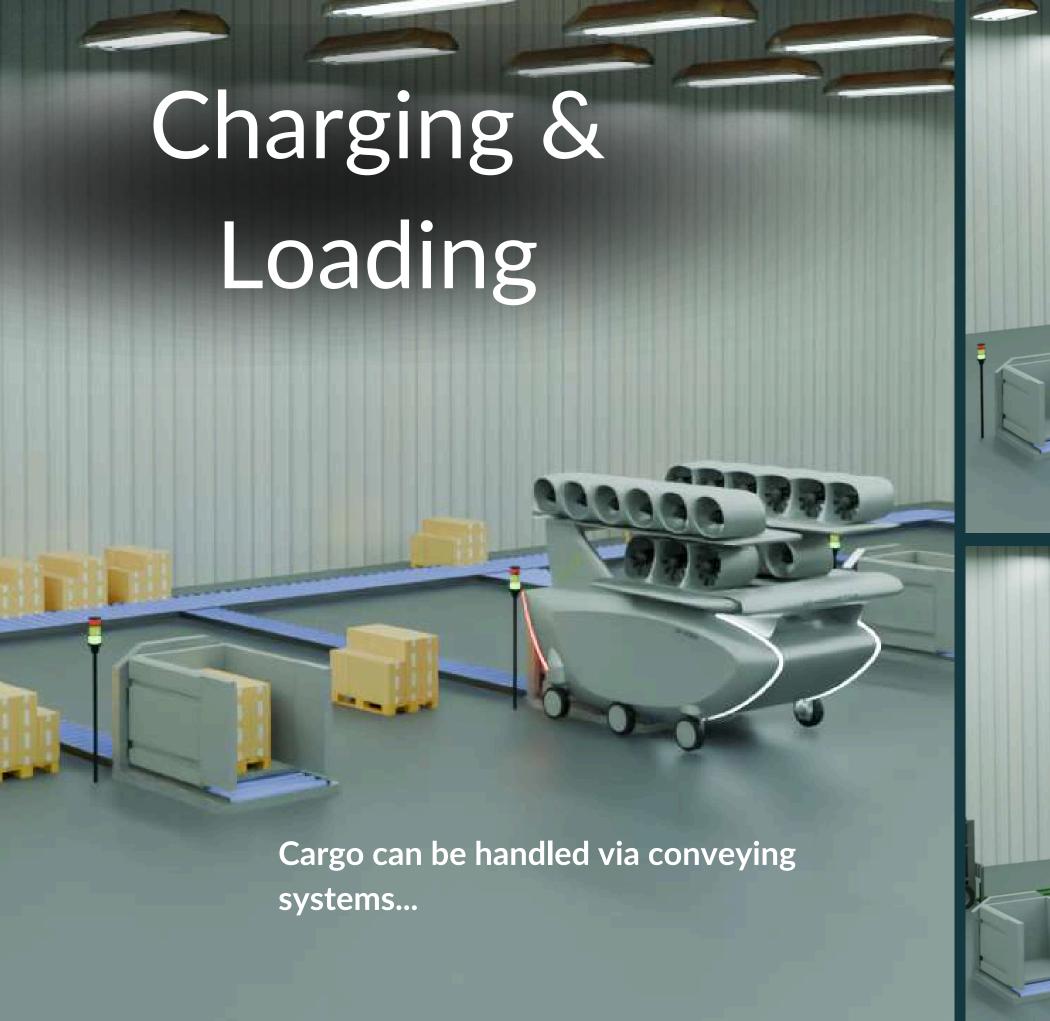
folded: 3 m

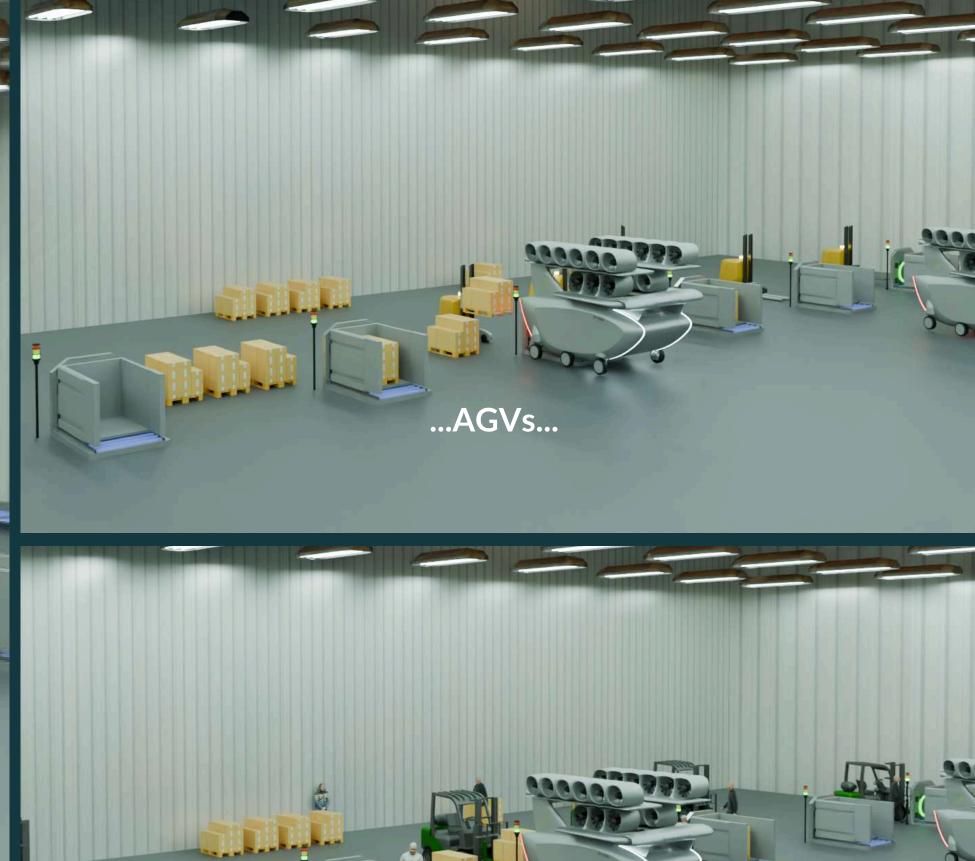
Wingspan

~ €1,5 ct / kg / km Competitive Pricing

2028Target Certification Year





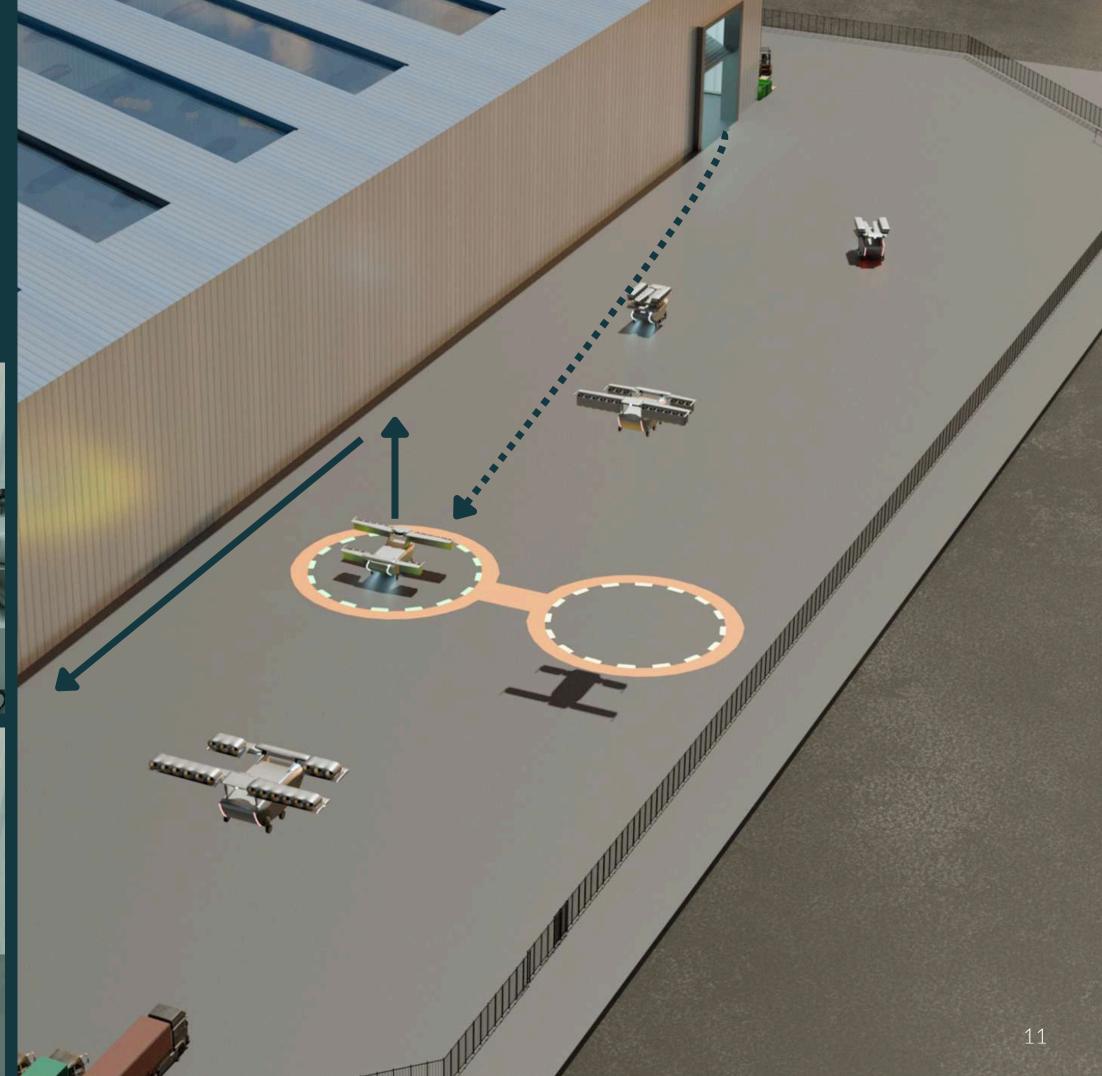


...or forklifts.

to Departure

The next container has pre-charged batteries and is already loaded with new cargo





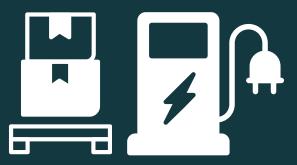


Game-Changing Integration of Air Logistics with Ground Logistics



Eliminating Manual Handling

through autonomous mobility and fully automated loading, unloading, and charging.



Integrating into Ground Logistics

through our cargo container and the Charging and Loading Station.



Removing Landing Site Bottlenecks

through driving into logistics sites after landing.



Accessing Remote Areas

through minimal infrastructure needs and drive capability.



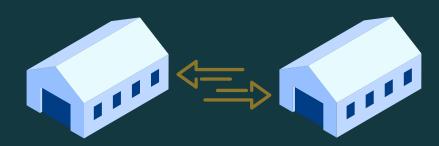
Enabling Urban & Regional Air Logistics Between Industrial Zones

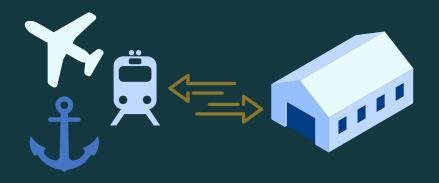
DIRECT: Point to Point

Transports of production, warehouses & stores

HUB: First & Last Leg

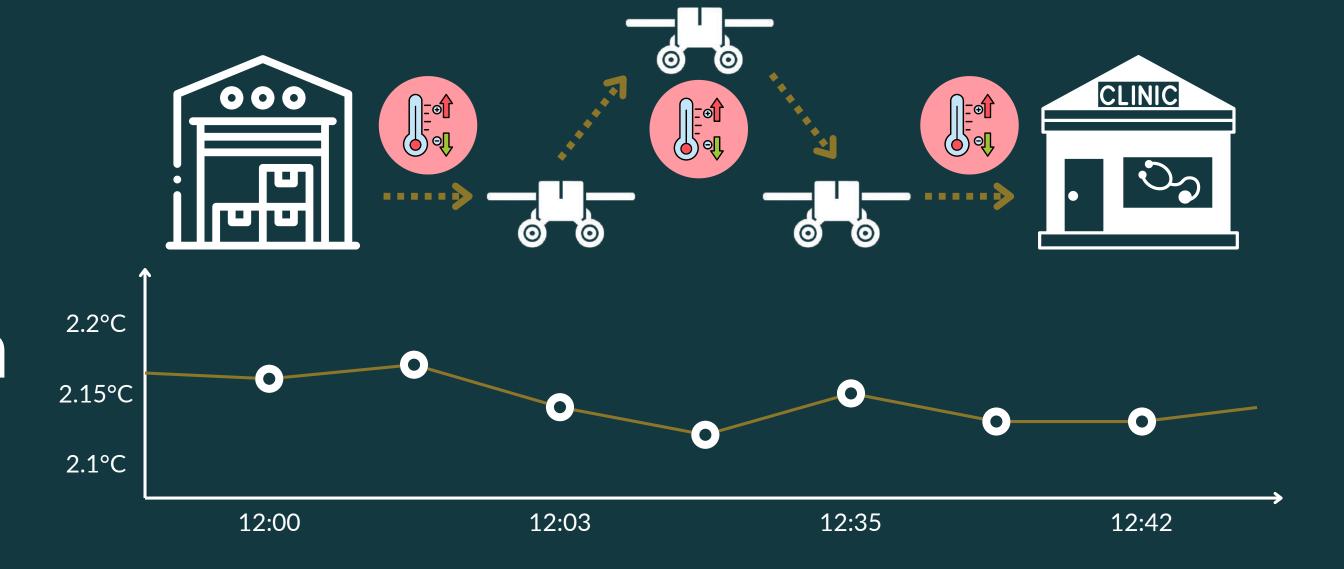
Transport between airports, ports, train stations & production, warehouses, stores





Example Use Case:

De-Risking Cold Chains with End-to-End Precision and Speed





Faster Supply Chain Management

Uninterrupted rapid transport of Bulk temperature-sensitive cargo to urban, rural and isolated Areas.



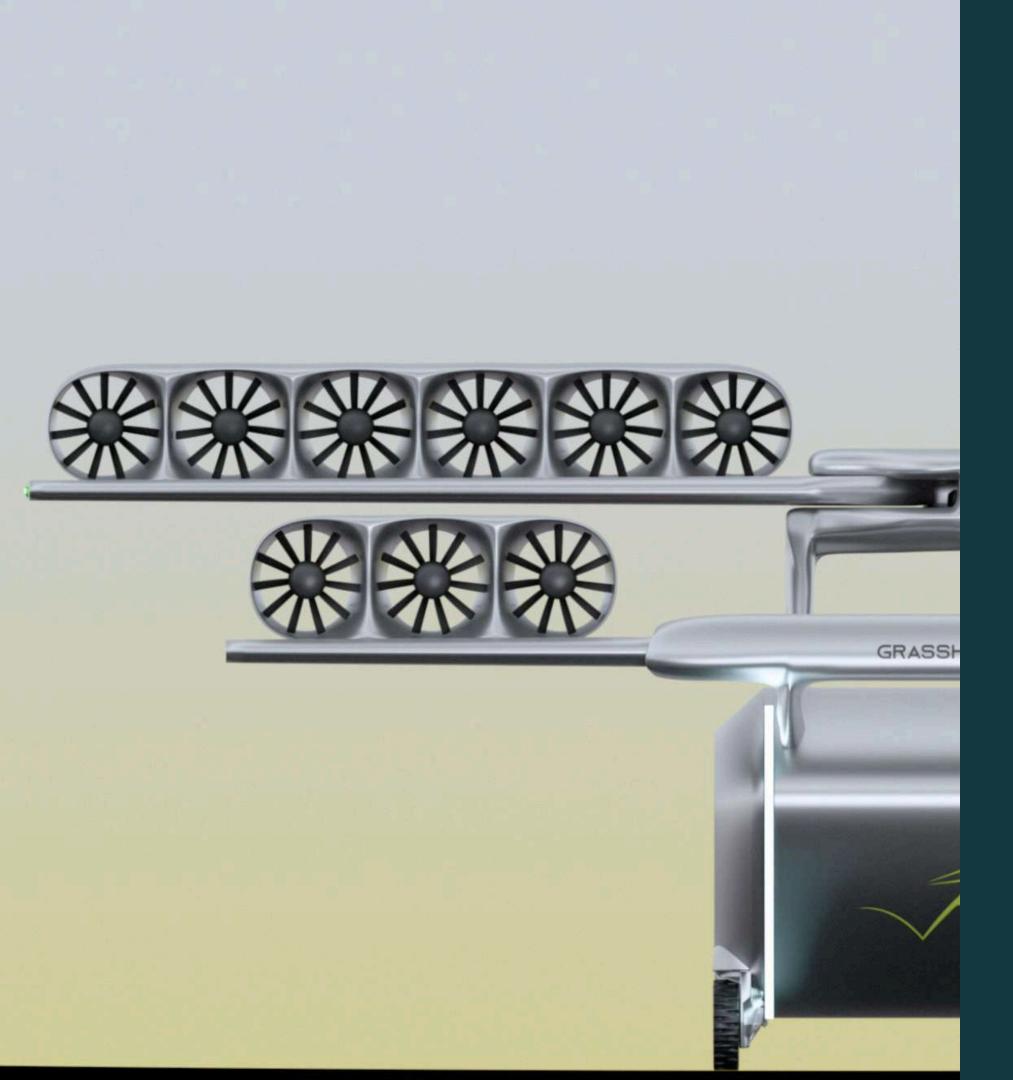
End-to-End Traceability

Ensuring product integrity through realtime temperature & quality monitoring throughout the entire supply chain trip.



Risk Reduction

Eliminating errors and delays from manual handling and multi-modal transfers.

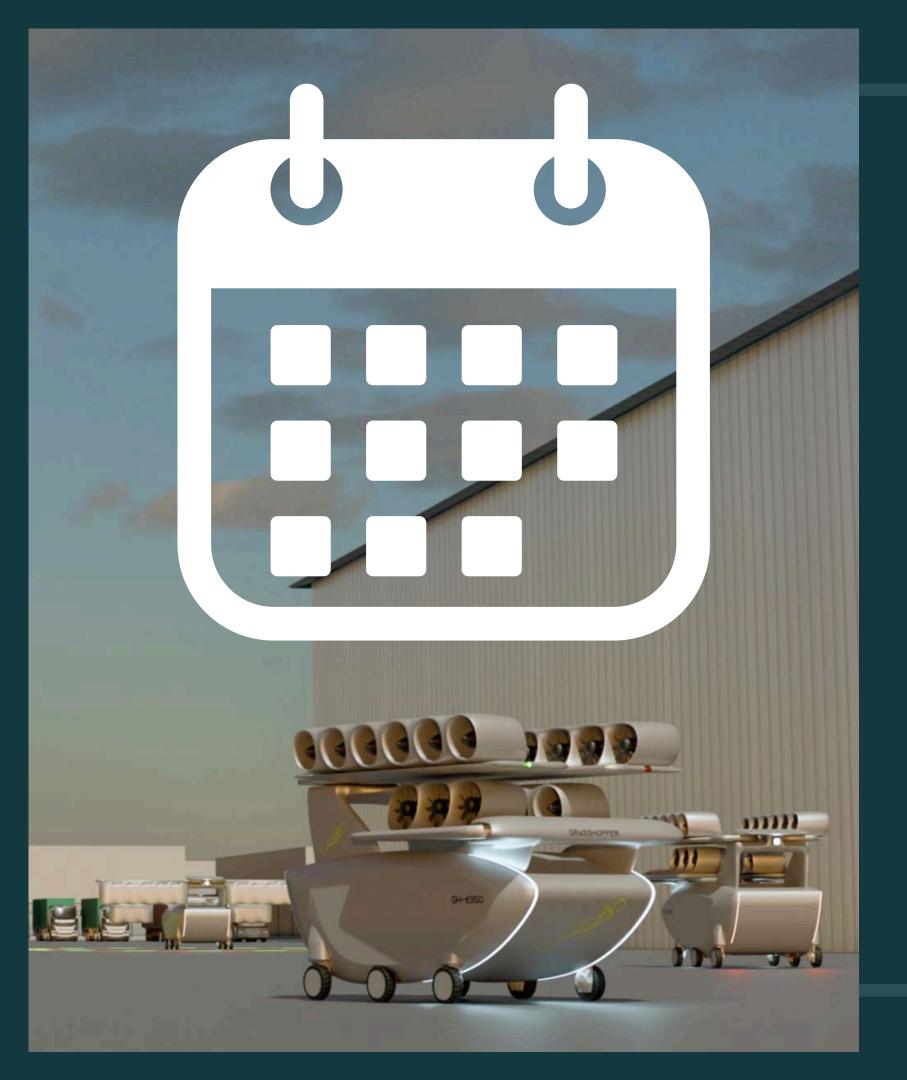


Seamless Integration, Full Automation and Cost Efficiency

- Zero Turnaround time
 Automated Loading Process
- Zero Charging / Refueling Time
 Rapid Battery Swap
- Zero Data Interruptions

 Cargo Data Traceable without interruptions
- Zero Emissions

 Fully Electric Operations
- One-Click Delivery Order
 Simple Logistics Software Integration
- 100% Punctuality
 No unnecessary processes or bottlenecks



Join Us in Shaping Tomorrow's Logistics

Contact us today

- Jakob Saalfrank, Founder & CEO
- +34 644 661 687
- iakob.saalfrank@grasshopperairmobility.com
- g<u>rasshopperairmobility.com</u>
- linkedin.com/company/grasshopper-air-mobility