



The Autonomous Drone Network for Time-Critical Cargo

There is no **fast** and **reliable** way to move **critical medical supplies** between hospitals at **system scale**.

99%

of lab professionals say that medical couriers **negatively** impact their work every week

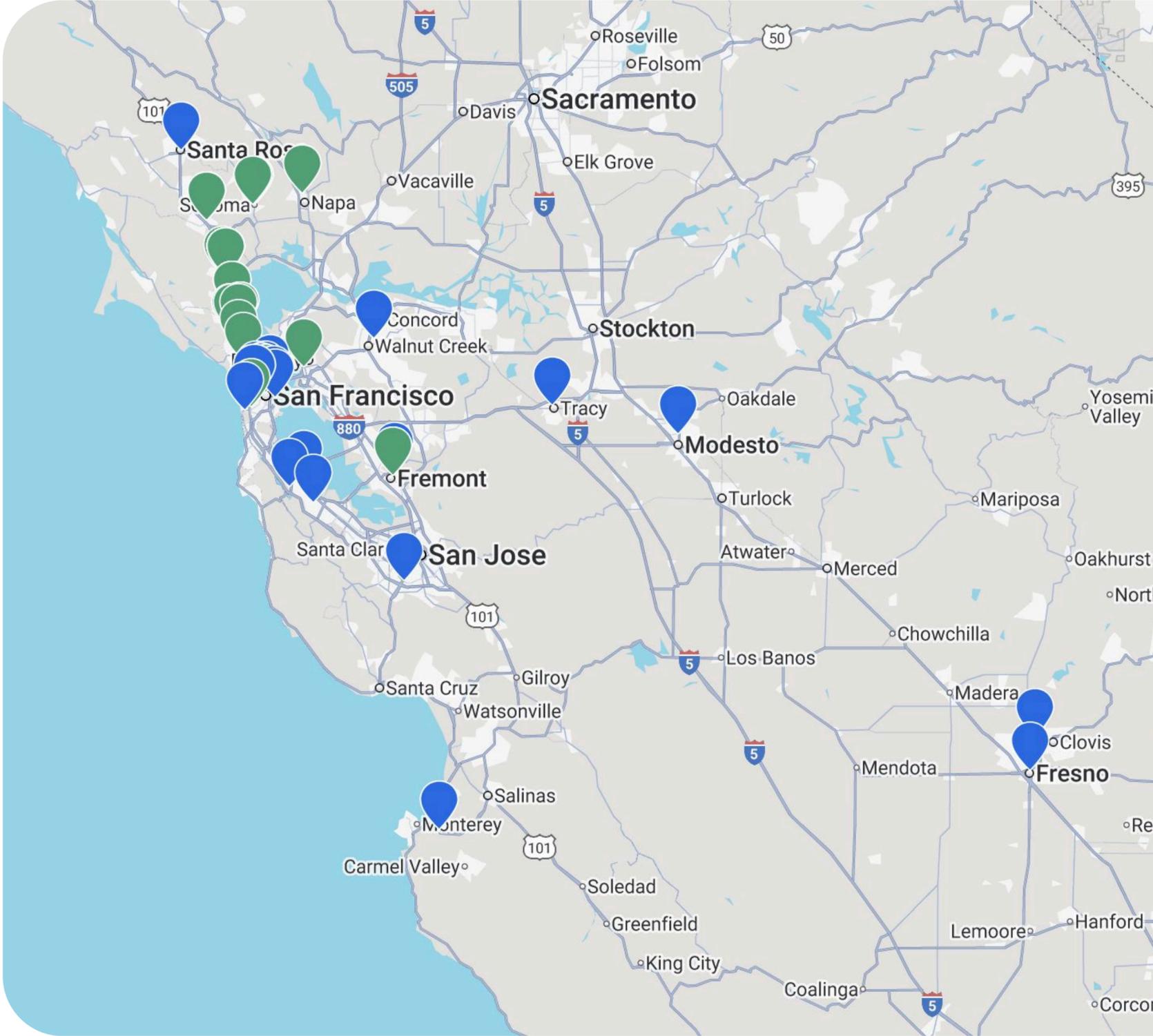
\$25B+

unnecessary spending in the U.S. hospital supply-chain, representing 30% of total hospital spending.

The **growing demand** for specialized patient care requires **centralized** services & **distributed** sites.

However, this creates a **transportation bottleneck**

Example system, hundreds more →
UCSF : 70+ sites across Northern California



Existing Solutions **Fail** to Meet the Growing Demand



Low Urgency

Conventional Couriers

Unpredictable ETAs
Minimum / No Payload Care



High Urgency

Ambulance

Expensive
Subject to Traffic



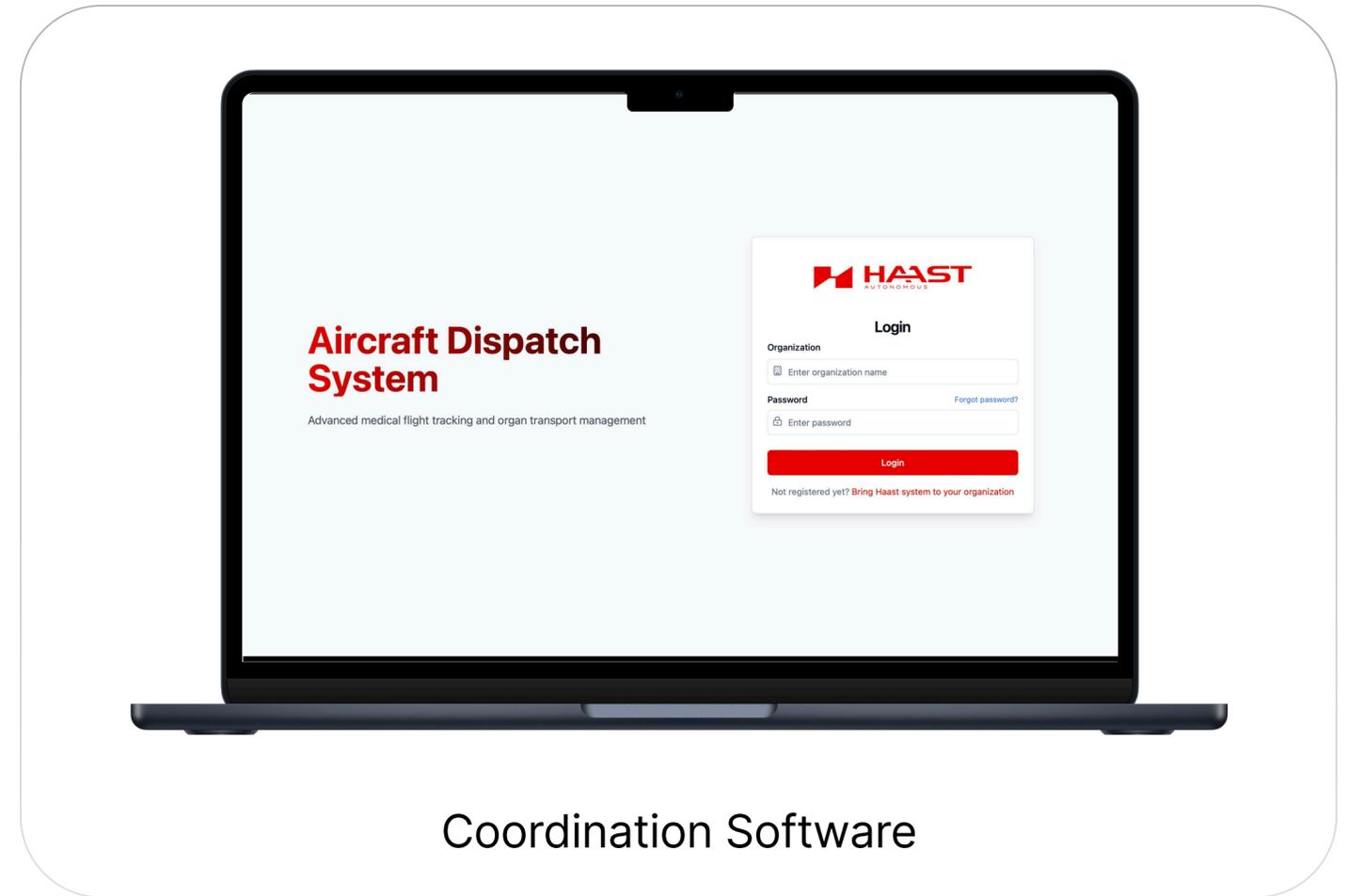
Helicopters

Very Expensive
Limited Availability

The Solution
Full-Stack Drone Delivery Network

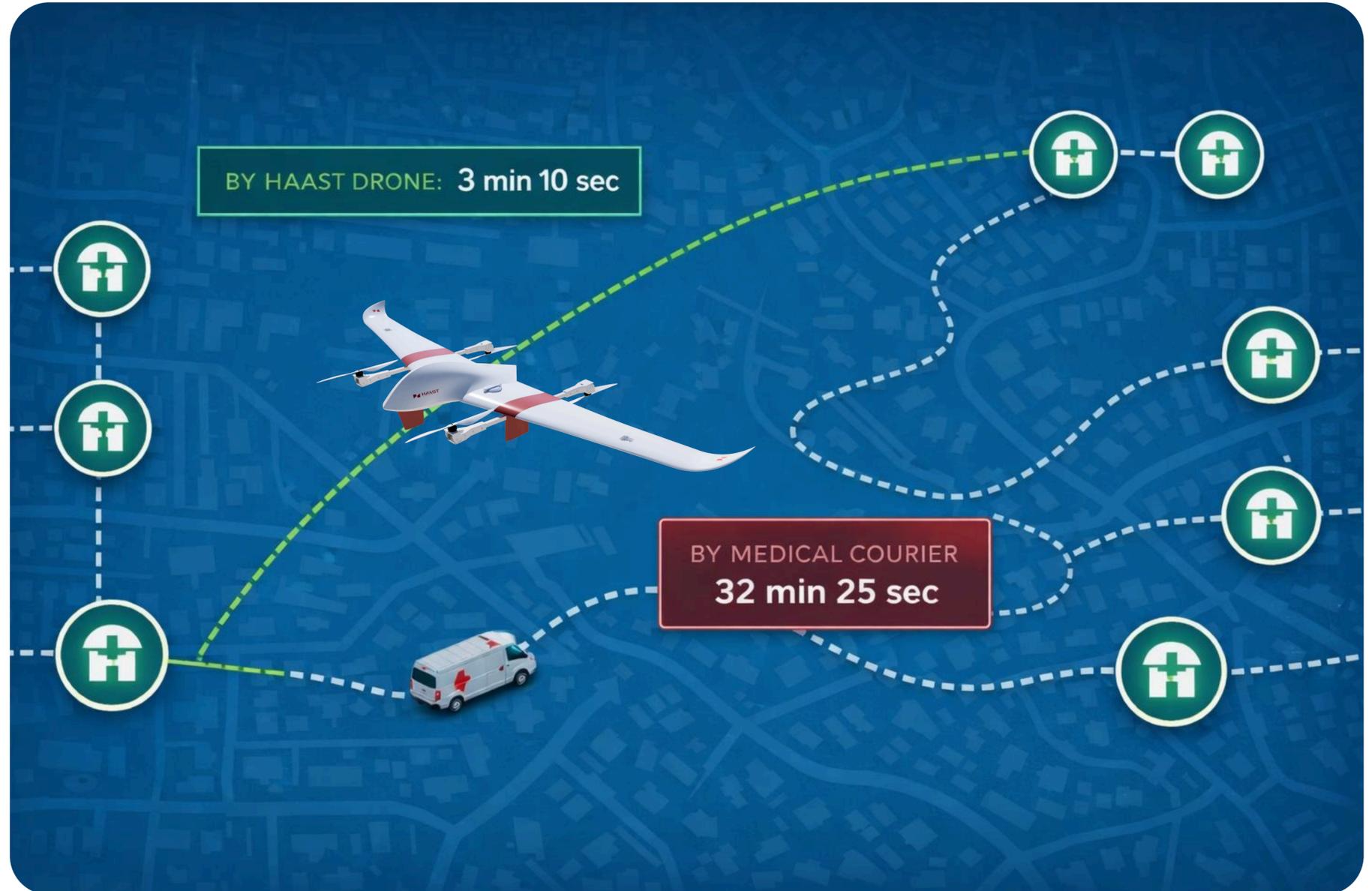


+



How It Works

- On-demand, direct delivery
- Use existing helipad infra
- Eliminate need for patient relocation
- Simple lb-mile pricing
- 500 mile range

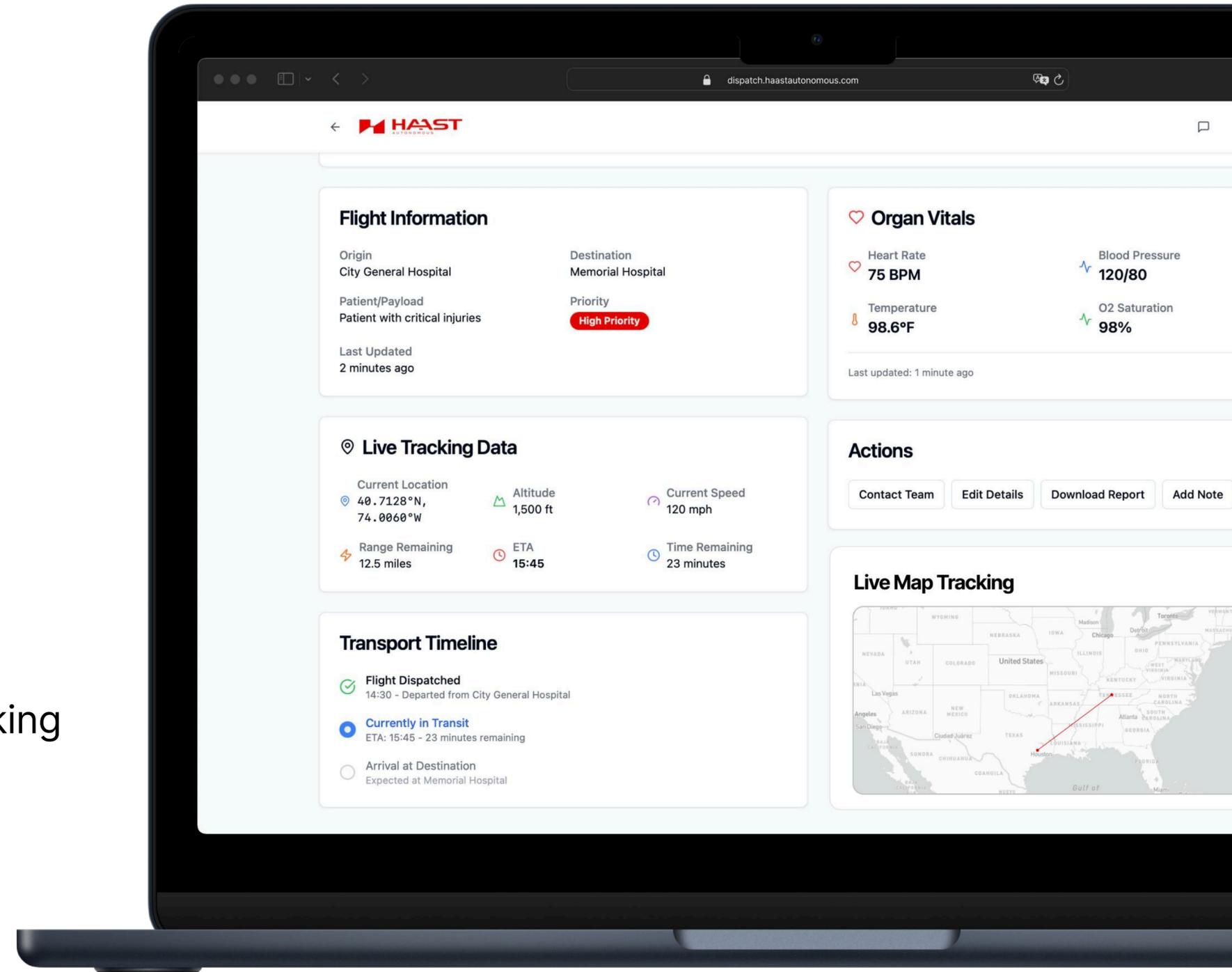


Fleet Coordination & Management Software

Eliminate need for staff training

Manages:

- Real-time dispatch, routing, and fleet monitoring
- Automated FAA regulatory compliance validation
- Chain-of-custody, cold-chain, and inventory tracking
- Continuous learning, predictive maintenance

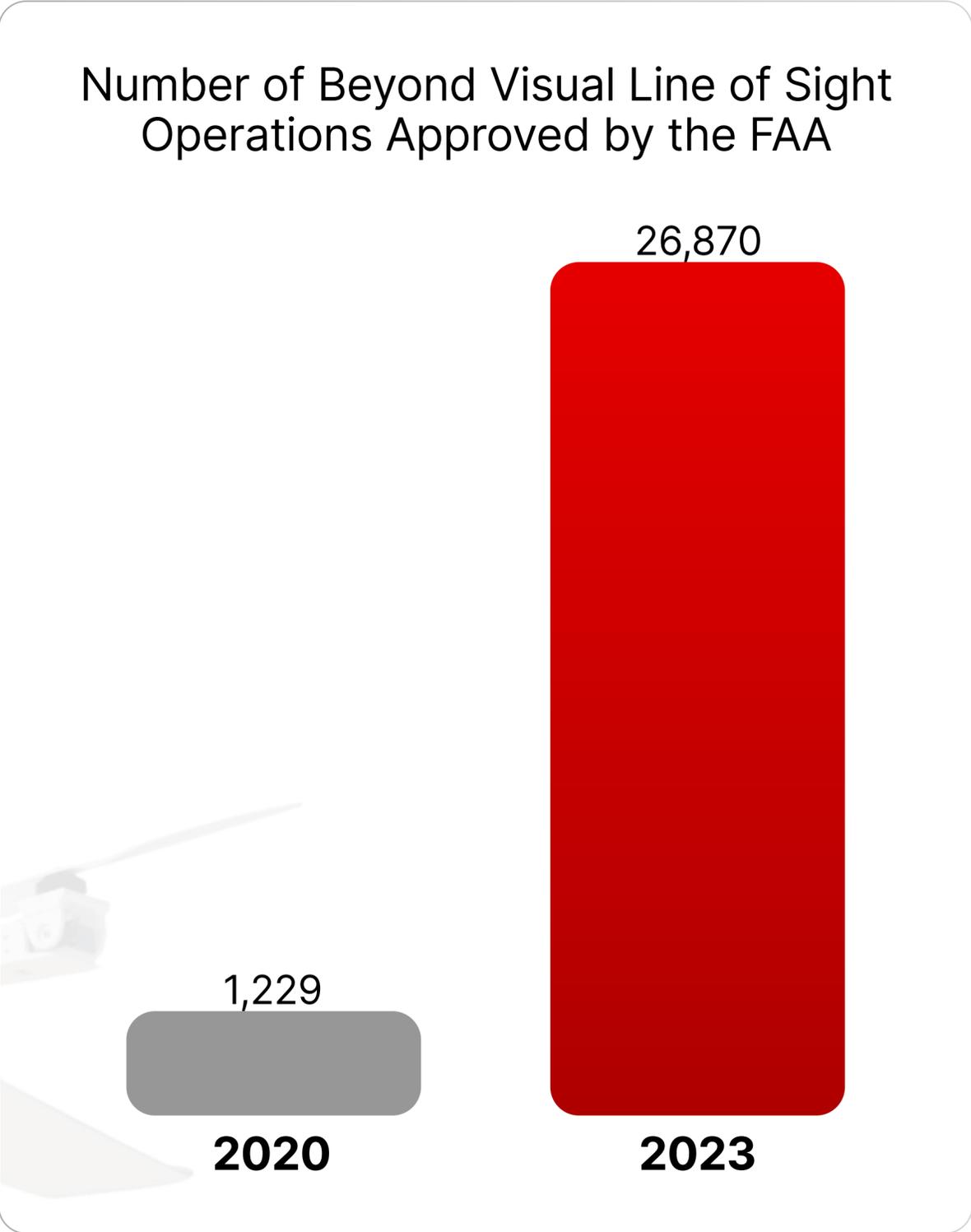


Conventional Couriers **Cannot** Compete

Metric		Conventional Courier
Time to Dispatch	1 Minute (software-initiated)	30-90 minutes (manual call, paging, depends on driver availability)
Time Variability (Reliability)	Low Variance (fixed flight envelope)	High Variance (traffic, weather, batching, detours)
Clinical Labor Involvement	None (hand-off once)	Frequent (nurses, residents, lab staff intervene)
Chain of Custody	Continuous (digital, auditable)	Fragmented (manual on paper, handoff-based)
Scalability	High (autonomous, on-demand, software fleet scaling)	Low (linear with drivers & vehicles)

Why Now: Shift in Regulation

We're at the advent of a **low-altitude economy**. **Autonomous logistics** is inevitable.



Traction & Validation

Letters of Intent



4 LOIs from leading hospital systems validating demand for autonomous medical logistics

Pilot & Clinical Trial

(Contract Pending)



Pilot trial deploying Haast on live inter-hospital routes in real clinical settings



Dr. Joseph Scalea
Transplant Surgeon
MUSC Health

Guaranteed The World's First Clinical Trial for Organ Transport with a Haast Drone

Legislative



#1 UAS test site in the U.S.



FAA Pilot Certification Obtained

What We're Working On

Pilot Trial → First Customer

Clinical & Operational Validation

- Live blood & urine transport in real hospital environments

Pilot Trial Execution

- Prove prototype payload preservation

Operational Success Metrics

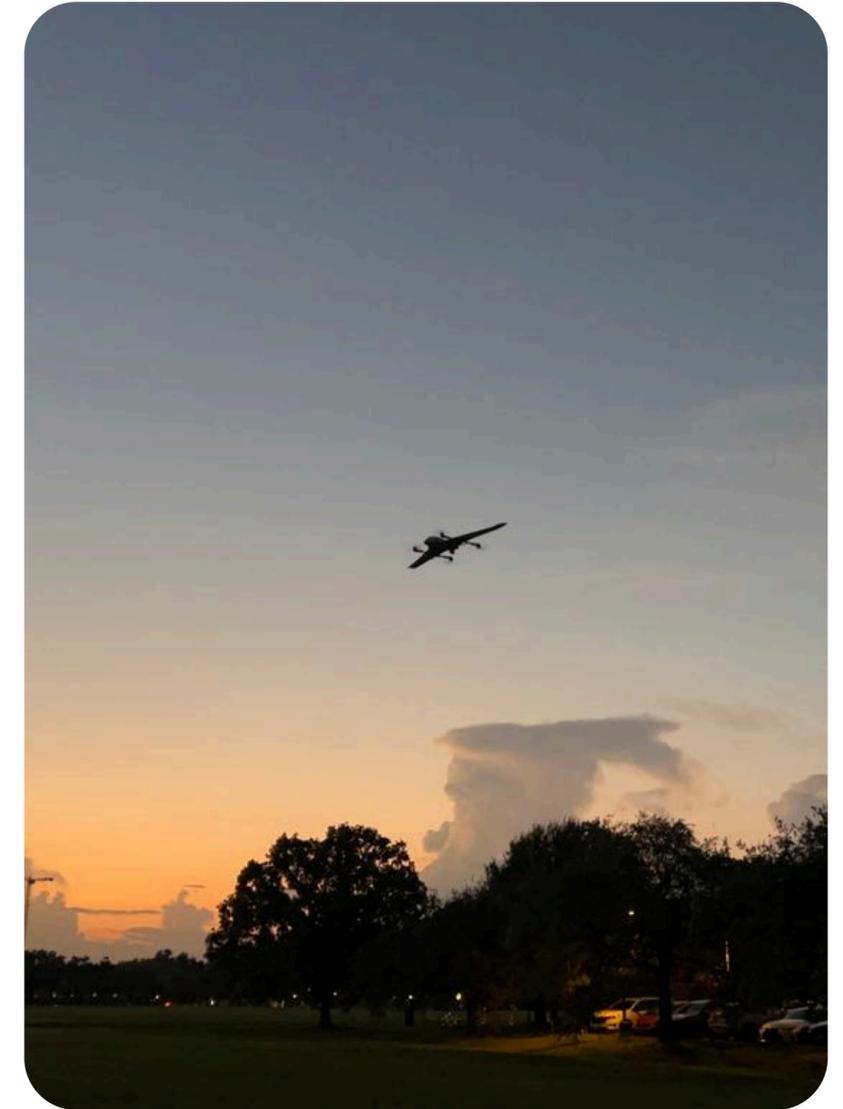
- Benchmarked against existing medical courier performance

Customer Conversion

- Meeting pilot KPIs converts to first paid deployment

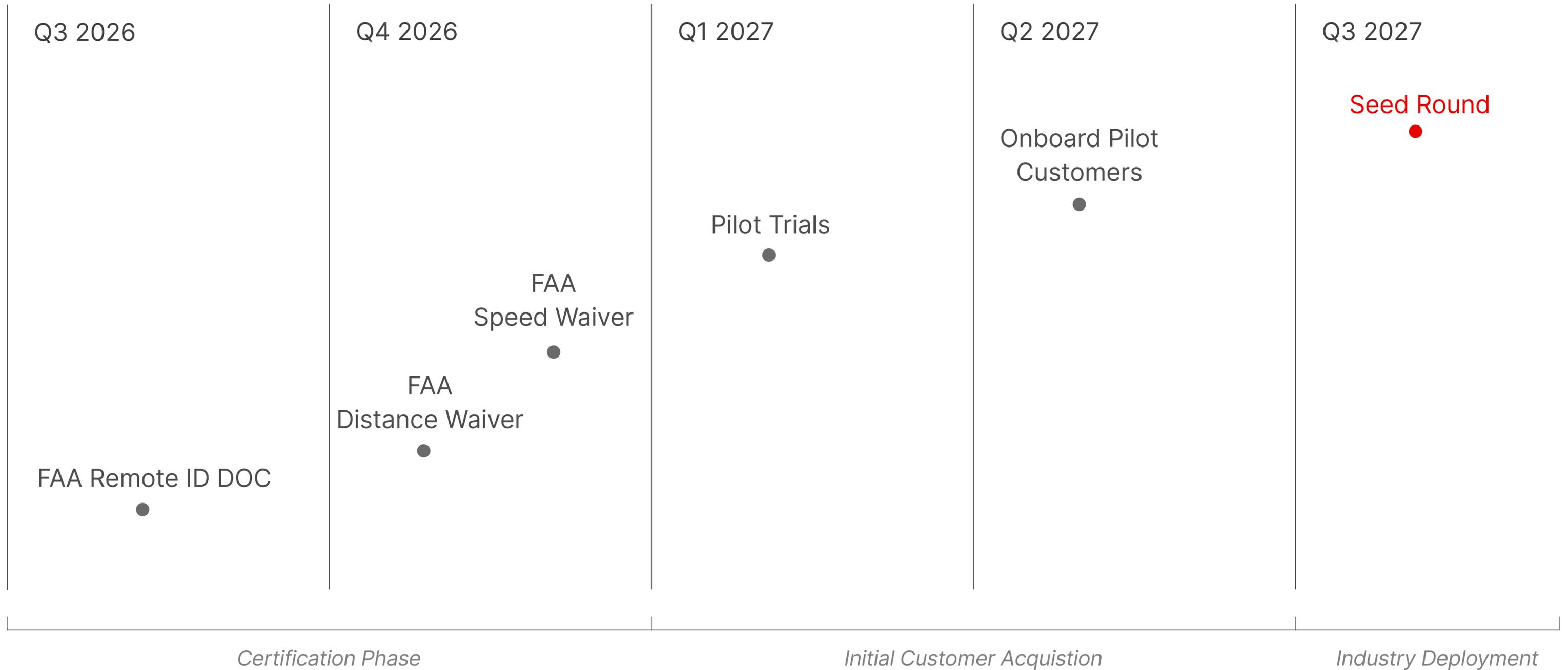


In-house developed prototype iterations



Operational prototype in active testing

Commercial Roadmap



Meet the Team



Ege Halac

CEO, Co-Founder

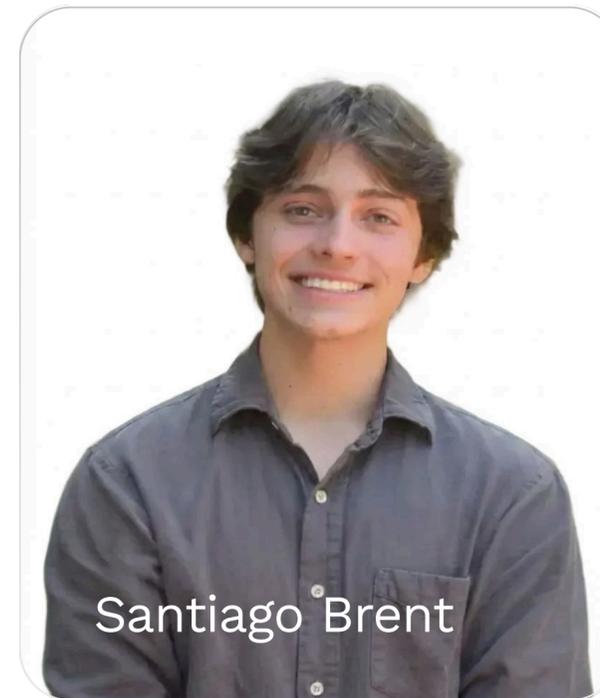
Led drug discovery initiative at on TRPV1 receptor at Argonne national laboratory



Jason Chen

COO, Co-Founder

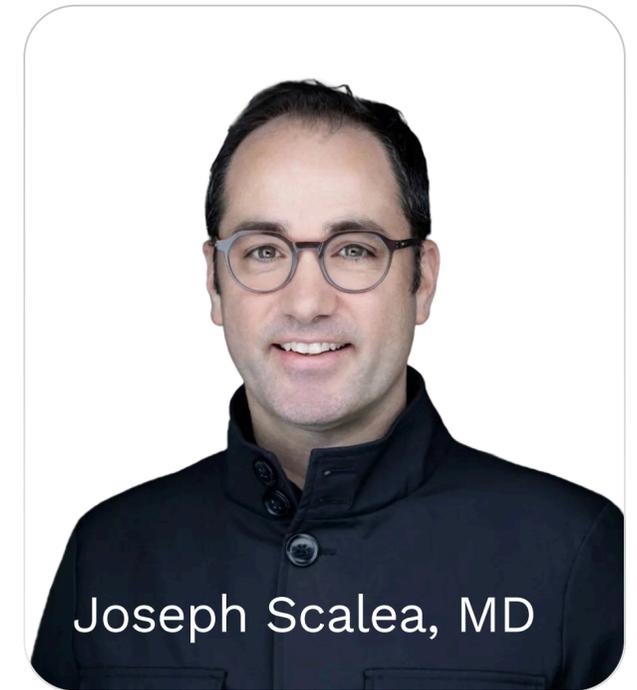
Designed and built dual-stage composite supersonic (Mach 2+) rockets reaching 100k ft+



Santiago Brent

CTO, Co-Founder

Shipped full-stack embedded C+ hardware powering AMD EPYC's next-gen thermal test platform



Joseph Scalea, MD

Senior Medical Advisor

Transplant surgeon; led the first successful drone organ transport and peer-reviewed research.



Raising \$2M @ \$15M via SAFEs

Use of Funds

- **Customer:** Conduct 1st pilot trial in real clinical setting & convert to 1st paid customer
 - **Market:** 5+ recurring service contracts with health systems
- **Regulatory:** Obtain Beyond Visual Line of Sight (BVLOS) operation permit under current regulations
 - **Build:** Accumulate 500+ flight-test hours and further development hardware & software stack
 - **Manufacturing:** Setup ~5,000 sqft in-house manufacturing facility

Appendix

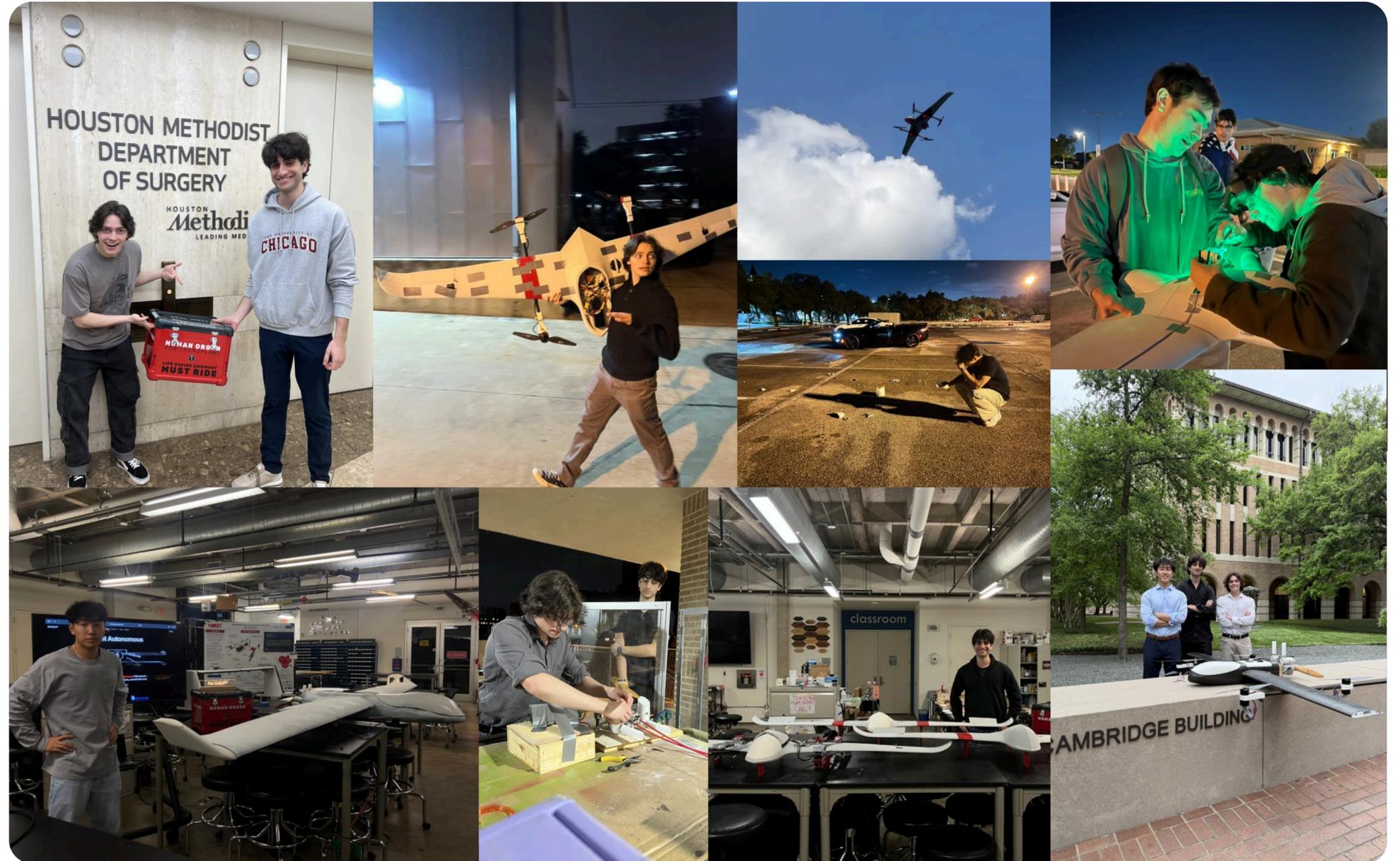
13 Iterations in 16 Weeks

Ultra-low COGS per Prototype

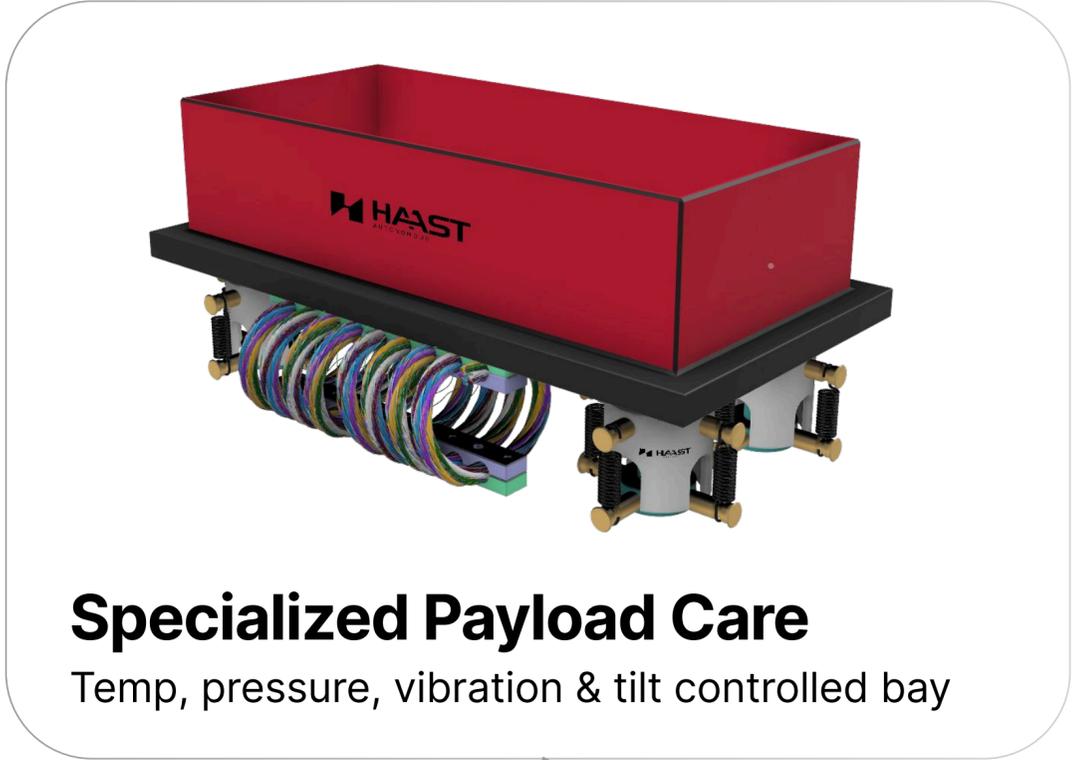


Airframe: < \$100
Avionics: < \$900

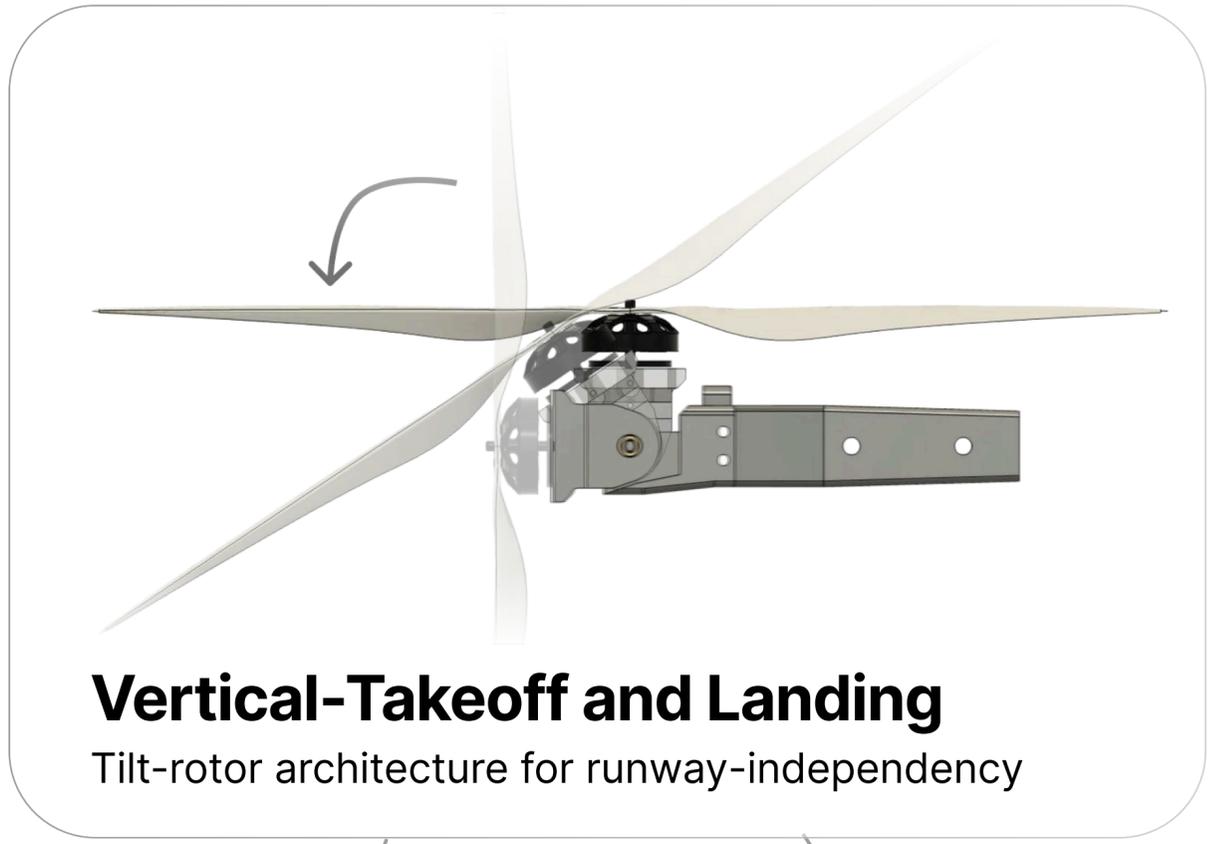
Total hardware COGS: < \$1,000



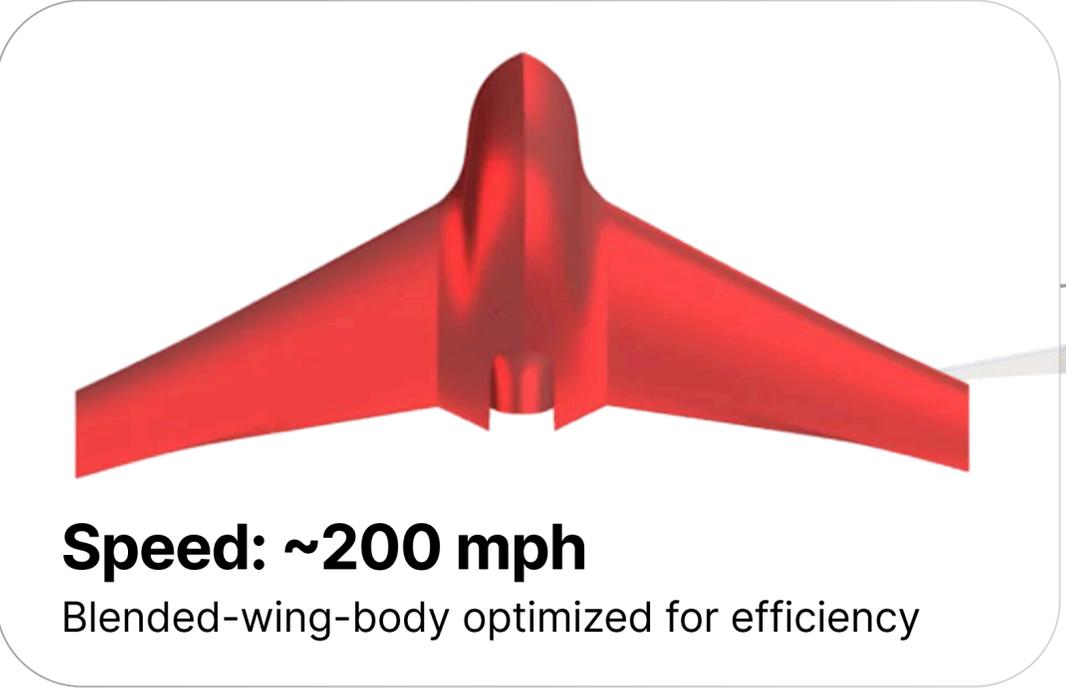
Haast Engineering



Specialized Payload Care
Temp, pressure, vibration & tilt controlled bay



Vertical-Takeoff and Landing
Tilt-rotor architecture for runway-independency



Speed: ~200 mph
Blended-wing-body optimized for efficiency



The bottleneck is not speed alone. It's **orchestration**

Logistical delays happen across critical industries:



Healthcare
Emergency Response
Disaster Relief

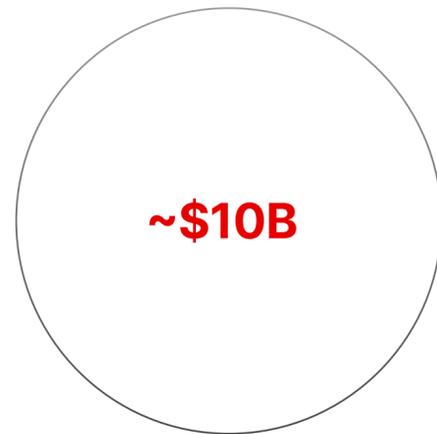
Aviation
Aerospace
Defense

Energy
Offshore Operations
Agriculture

Security
Surveillance

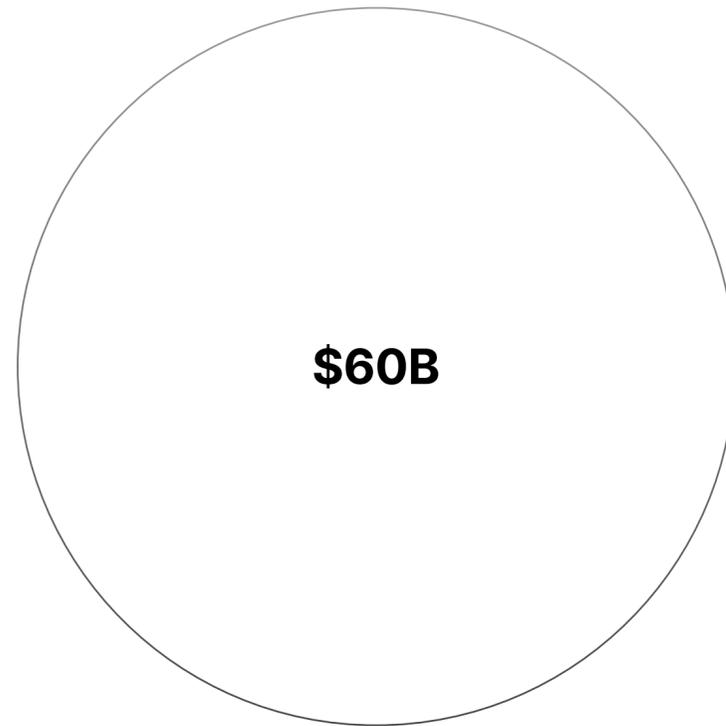
High-Volume
Logistics

Growing Market Opportunity



SOM

Inter-hospital medical routes optimized for early autonomous deployment



SAM

All high-value logistics requiring secure, compliant, rapid transport



TAM

Global logistics where speed, reliability, and autonomy define outcomes

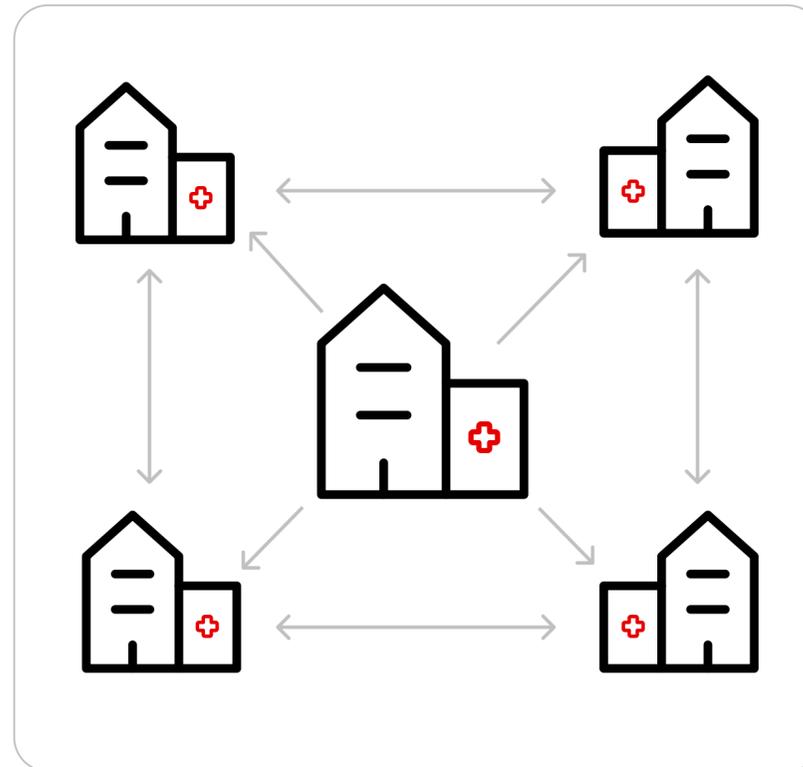
Unit Economics & Pricing

Simple Pricing Model



Charge: \$/lb-mile
(distance × payload)

Go-to-market & Scaling



Launch at ~90% cheaper than conventional courier prices

Better service at lower price

Expand pricing later:
once embedded in workflow + proven reliability, step up to premium tiers

