HPS AVIATION

The Next Step to the Sky

Revolutionary propulsion technology inspired by nature,
designed for the future of aviation.

Why Propellers Are Holding Us Back

Noise Pollution

Traditional propellers generate excessive noise (85-100 dB), limiting urban applications and causing noise pollution.

Inefficient Energy Use

Current electric propulsion systems waste energy through turbulence and drag, limiting range and performance.

Limited Control

Conventional propulsion offers limited degrees of freedom, requiring complex mechanical systems for maneuverability.

Safety Concerns

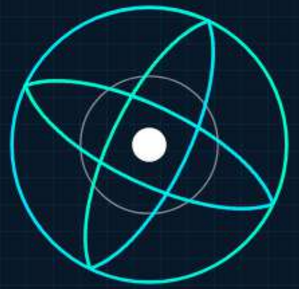
Exposed high-speed propeller blades pose significant safety risks to operators, passengers, and bystanders.

Humming Propulsion System (HPS)

Inspired by Nature

Our revolutionary propulsion system mimics the efficient wing movements of hummingbirds, combining rotational and oscillatory motion patterns.

- ✓ Full 6 degrees of freedom thrust control
- ✓ Ultra-quiet: < 65 dB
- ✓ 25% more efficient than propellers
- ✓ Enclosed design for enhanced safety



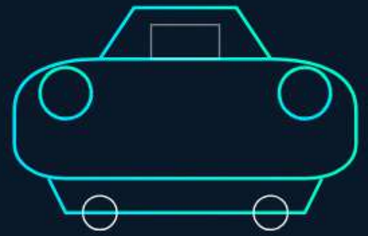
CROW: The First Hydrogen-Powered Flying Car

Technical Specifications

- Speed: 500 km/h
- Range: 1500 km
- Altitude: 12,000 ft
- Capacity: 5 passengers + cargo
- Can land on water and drive on roads

Dual Power System

CROW combines hydrogen fuel cells with advanced battery technology for optimal power management.



Market Vision

Air Taxis

Urban mobility revolution with on-demand aerial transportation, reducing commute times by 80%.

Cargo Drones

Autonomous delivery systems for last-mile logistics and emergency supplies to remote areas.

Flying Hotels

Luxury aerial accommodations offering unique travel experiences and unprecedented mobility.

Accessible Aviation

Our vision extends beyond technology to democratize flight. With intuitive controls and autonomous capabilities, HPS Aviation will make personal air travel accessible without extensive pilot training.

$980B
Global Market by 2035

43%
Annual Growth Rate

2028
Commercial Launch

Roadmap to Revolution

R&D: 2012–2022

Fundamental research and technology development. Patent portfolio established with 12 core technologies.

Prototype: 2023–2025

Full-scale working prototype of the CROW flying car. Testing and certification process begins.

First Flight: 2026

Maiden voyage of the CROW. Public demonstrations and regulatory approval process.

Manufacturing: 2027

Production facility established. Supply chain secured and manufacturing begins.

Launch: 2028

Commercial launch of the CROW flying car. Initial deliveries to strategic partners and early adopters.

2012 2023 2026 2027 2028

We're Raising Our First Round

Funding Details

$25M

Series A Funding Target

Use of Funds

R&D Acceleration	40%
Prototype Development	30%
Team Expansion	20%
Certification & Legal	10%

Why Invest Now

- **Patent Portfolio**

  12 patents secured for our core technologies, creating a strong competitive moat.

- **Strategic Partnerships**

  Agreements with key aerospace suppliers and hydrogen fuel cell manufacturers.

- **Regulatory Advantage**

  Working closely with aviation authorities to establish certification pathways.

- **Market Timing**

  Perfect intersection of hydrogen technology maturity and growing demand for sustainable aviation.

Join Our Journey

HPS AVIATION

The Next Step to the Sky

HUB71, Abu Dhabi

connect@hpsaviation.com

www.hpsaviation.com

Founder

Ahmed Hamza

CEO & Chief Engineer

SCHEDULE MEETING

DOWNLOAD DECK