



PIVOTAL
HELIK



You've flown before. But not like this.

TIM LUM // WASHINGTON STATE

Stats

PROFESSION
FORMER SPECIAL
OPERATIONS MEDIC

PILOTAL PILOT #
012

FAVORITE PLACE TO FLY
FLYING THROUGH THE CANALS
IN DOWNTOWN TAMPA BAY



Offering an unparalleled sense of adventure and freedom, the Helix is an electric vertical takeoff and landing (eVTOL) aircraft with simplified flight controls.

The Helix gives more people access to flight with a groundbreaking blend of high-performing technology and user-centric design. As an ultralight aircraft, it operates under FAA Part 103 regulations and doesn't require a pilot's license.



The Specs. Simplified.



HELIX

KEY FEATURES

AIRCRAFT TYPE

- > TILT AIRCRAFT WITH FIXED ROTORS AND TANDEM WINGS
- > LIGHT EVTOL (ELECTRIC VERTICAL TAKEOFF AND LANDING)

CLASSIFICATION

- > PART 103 ULTRALIGHT
- > NO PILOT LICENSE REQUIRED

AIRCRAFT WEIGHT

- > 348 LBS

PILOT WEIGHT AND HEIGHT

- > UP TO 220 LBS
- > UP TO 6'5" STANDING HEIGHT

RANGE

- > 20+ MILES, WITH 20% RESERVE

CRUISE SPEED

- > 55 KNOTS (63 MPH)

CHARGING

- > FULL CHARGE IN 75 MINUTES*

FEATURES

- > BUILT-IN DIGITAL FLIGHT PANEL
- > JOYSTICK, WITH FLY-BY-WIRE ELECTRICAL CONTROLS
- > LANDING CAMERA
- > ADS-B TRANSPONDER
- > BEACON LIGHTS
- > CUSTOMIZABLE EXTERIOR FINISH

SAFETY

- > TRIPLE-MODULAR REDUNDANCY
- > FLIGHT ENVELOPE PROTECTION
- > 8 FAULT-TOLERANT PROPULSION UNITS
- > 4 SPLIT ELEVON PAIRS FOR REDUNDANCY
- > BALLISTIC PARACHUTE

*Level 2 charger: 240 V / 50 A, charge from 20% - 100%: 75 mins
Level 1 charger: 120 V / 15 A, charge from 20% - 100%: 4.5 hrs



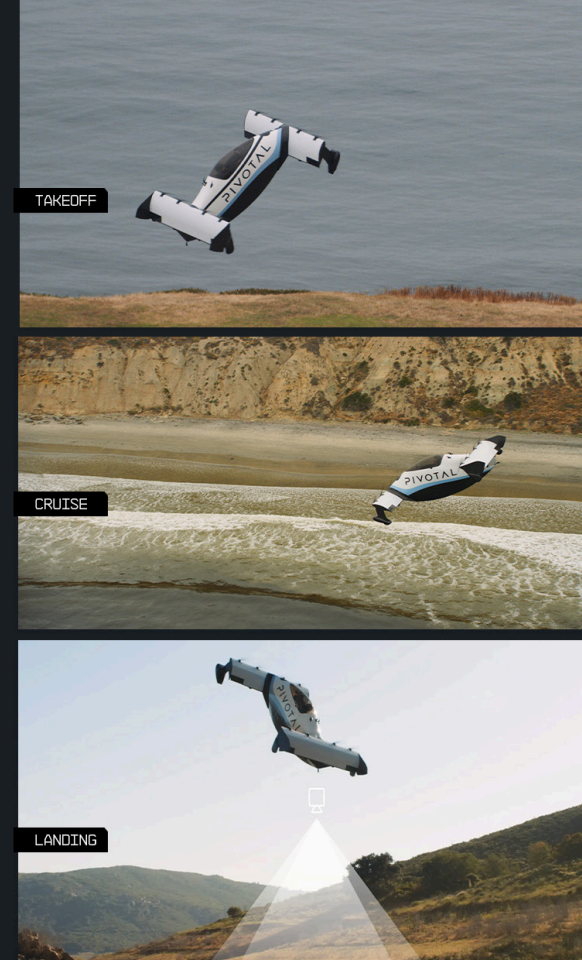
- ✔ Automated 4-axis stability
- ✔ Flight envelope protection
- ✔ 30 minutes from trailer to sky
- ✔ No pilot's license required
- ✔ Emergency floats
- ✔ Ballistic parachute

Unique tilt aircraft architecture.



The Helix uses eight electric motors and an intuitive flight control system to make flying simple with a single joystick, 4-axis control, and touchscreen display. Pivotal's ingenious design allows the whole aircraft to tilt between hover and cruise, reducing complexity, weight, and maintenance cost.

Redundant flight computers and advanced sensors work continuously to ensure safe and stable flight at all times. A high-resolution landing camera, radar altimeters, and autoland feature set the aircraft down safely with the touch of a button.



Adventurers. Explorers. Pioneers. The Unbound.

Helix is made for anyone who wants flight on their own terms. Assembling and disassembling the Helix takes just 30 minutes, allowing you to explore and enjoy the world from an elevated perspective.

Whether you take off from your backyard, a secluded beach, or a remote campsite, be prepared for an unmatched flight experience and discoveries to share.





270° panoramic views. Ultra-comfortable cabin.

The wraparound Helix canopy provides strong UV protection and is offered in tinted and clear options. Controllable sliding vents and an Alcantara microfiber seat cover keep you comfortable in flight.

The touchscreen flight panel provides important flight data, displays a dynamic flight map, and delivers visual and audio warnings.

Designed to be an extension of the aircraft, the Pivotal mobile app is your flight companion while you're not in the air. Pre-flight checks, flight history, charge management, and aircraft servicing are all on your phone.



From dream to liftoff in a week.

Helix is designed to be flown by anyone. Our one-week training experience is complimentary with your purchase and gets you airborne safely, confidently, and independently.

You'll learn:

- ✦ Safety & regulations
- ✦ Flight control mastery
- ✦ Emergency procedures
- ✦ Navigation & battery management

This personalized experience begins with a tour of our Palo Alto headquarters, followed by VR flight simulator training, ground lessons, and ends with a two-day flight experience over beautiful Monterey Bay.



Redefine your journey. Fly from anywhere.



Helix is the perfect companion for road-trippers, especially if it's in your nature to go beyond. Whether you love backcountry, camping, beaches, exploring, or simply launching from your own backyard, our aircraft gives you the flexibility to start your journey wherever you are.

As an ultralight aircraft, Helix gives you the flexibility to fly in any Class G airspace. Simply put, as long as you're not flying over dense populations or large control-towered airports, you're good to go.

Ready to start flying? Contact our sales team to answer any questions and schedule your first flight.



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PIVOTAL

Learn more at pivotal.aero