



TH22 Helicopter Advanced Aviation Training Device Piston Rotary Wing Training from Ab-Initio to ATP

"It's one of the most realistic helicopter sims I have been in." - Keith M. (Robinson training manual author and R22/44 dealer for over 20 years).

The TH22 is a single-engine piston, dual-control cockpit trainer based on the form, function, and performance of the most popular piston engine training helicopter, the Robinson R22. From startup, runup to shutdown, every detail of the R22 was replicated. It is the combination of aerodynamic fidelity, ergonomics, hardware engineering and visual motion that make the TH22 the perfect platform for learning to hover, practicing VFR and emergency maneuvers and complete IFR flight training. ELITE helicopters are approved for 7.5 hours VFR, IFR, Commercial and ATP flying credits. Compare the benefits and you will see why the TH22 gives the best return on investment.

The Foundation of a Profitable Business Model and Aviation Safety / Risk Management Program

- * Owners save money vs. real aircraft operational costs such as fuel, maintenance, and repair.
- * Increases sources of revenue and gives a competitive edge.
- * Students save money by learning and reinforcing critical procedures before going to the aircraft.
- * Use as a risk management tool to enhance safety, make better pilots, possibly lower insurance costs and gain a competitive advantage.



AVIONICS, INSTRUMENTATION, & HARDWARE

- Fully-coupled virtual GPS WAAS navigation
- Fuel control governor
- Advisory and caution panel lights
- Clutch engage switch
- DG / ADF / VOR / DME / Transponder / Turn & Slip
- Active audio panel and marker beacon lights
- Durable industrial-grade flight controls
- R22 aircraft system switches
- R22 throttle, fuel control unit and carb heat
- Antitorque pedals
- Adjustable cushioned pilot seats

EMERGENCY PROCEDURES TRAINING

- Instructor and/or computer controlled failures
 - instruments
 - receivers
 - power plant
 - systems
- Vortex ring state (settling with power)
- Loss of tail rotor thrust
- Loss of tail rotor
- Brown out landing & take off conditions
- Autorotations (standard, 180 deg, hovering)
- IOS control of master and advisory cautions
- IFR partial panel

NAVIGATION, SCENERY DATA, & WEATHER MODELS

- World-wide navigation data
- Enhanced visual scenery with over 24,000 airports
- Fifteen off-shore oil rigs
- Dynamic weather (clouds, winds, turbulence & icing)
- Visible precipitation (rain and snow)
- International GPS database (with Garmin GPS)
- User modification of navigation database elements
- Virtual airport facility directory
- Tablet WIFI connectivity for popular flight planning apps

MAPPING AND EVALUATION

- Instructor / Operator Station (IOS) portable tablet
- Plan, profile, and extended profile views
- Flight data recorder with DVD-style replay
- Transponder, heading & altitude map read-out
- Current "Spot WX" METAR displayed
- "Click-and-drag" or Identifier aircraft repositioning
- IOS flight instrument representation
- Route and waypoint plotter
- GPS flight plan tracking

FAA Approved AATD



"Helicopters are extremely complex flying machines that require superior skill sets. The missions they routinely perform are inherently dangerous. The right simulation can reduce these risks and make better pilots."

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