ELITE ROTARY WING SIMULATOR

PISTON TRAINER BASED ON ROBINSON R22 BETA II

The TH22 is a single-engine piston, single or dual control cockpit trainer based on the form, function and performance of the most popular piston engine training helicopter, the Robinson R22. From start up, run up to shutdown, every detail of the R22 is accurately 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 maneuvers, emergency maneuvers and complete IFR flight training. ELITE helicopters are approved for 7.5 hours VFR, IFR, Commercial and ATP flying credits. The TH22, with the best cost-to-benefit ratio, than any trainer in its class, gives the quickest return on investment.

SUPERIOR & COST EFFECTIVE
FLIGHT SIMULATION SOLUTIONS

ELITE® TH22 AATD

MAIN FEATURES

- Fuel control governor
- Clutch engage switch
- DG/ADF/FOR/DME/Transponder/ Turn & Slip
- Marker beacon lights / magnetic compass
- Durable industrial-grade R22 modeled flight controls
- R22 modeled aircraft system switches
- R22 modeled throttle, fuel control unit, carb heat, anti-torque pedals
- Adjustable cushioned pilot seats
- Dynamic audio tactile feedback system
- Fully-coupled virtual GPS WAAS navication

TRAINING VALUE

- Dual controls for crew resource training
- Fully IFR capable
- GPS orientation, navigation and approaches
- Save money on operational costs such as fuel, mainentance and repair
- Use the TH22 as your training program's risk management tool
- Increase your sources of revenue
- Add significant prestige and value to the marketing of your helicopter training program
- Students increase in skill, confidence and become safer pilots

PRECISE ROTARY WING FLIGHT DYNAMICS

TASK TRAINING IN DAY AND NIGHT CONDITIONS
- Performance checks, hover, hover taxi, ground taxi
- Pedal turns about the mast, nose and tail, forward, lateral and rearward flight
- Take off from a hover and from the ground, max performance take off
- Landings to a hover, running landings, normal and steep approches
- Pinnacle landings (roof tops and oil rigs), confined area landing and take off

EMERGENCY PROCEDURES TRAINING
- Failures of instruments, receivers, power plant, systems and GPS
- Autorotations, loss of tail rotor thrust, loss of tail rotor, settling with power
- Retreating blade stall, hot starts, hung starts
- Immediate, timed, gradual, and random failures

NAVIGATION, SCENERY DATA & WEATHER MODELS
- World-wide navigation data, enhanced visual scenery, oil rigs
- Dynamic weather, visible precipitation

MAPPING AND EVALUATION
- IOS moving map, flight data recorder, route and waypoint plotter

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