ELITE®
ELITE SIMULATION SOLUTIONS

ELITE R44
AATD & FNPT II

Robinson R44
FNPT II

Certification Level:
EASA CS-FSTD (A)
Issue 2 FNPT II MCC

ISO 9001 ATTESTA AKKREDITIERTE ZERTIFIZIERUNGSSTELLE

FEDERAL AVIATION ADMINISTRATION

EASA

Carbon Neutral by 2030

ELITE R44: Your partner in aviation training

Elite Simulation Solutions is a global provider of IFR training software, flight controls and flight training devices. We build and support EASA, FAA, CASA, ANAC and DGCA (among others) approved flight training devices and offer custom programming to both private and government entities. Our hallmark is quality and our creed is excellent customer service.

Since 1987, ELITE® (acronym for Electronic IFR Training Environment) has provided IFR simulation software for pilots world wide. Quantum leaps in computer technology have allowed us to be aggressive in product improvement in both software and flight control engineering. This evolutionary process has resulted in open and flexible flight training systems for personal and institutional training programs. ELITE® offers desktop trainers and full cockpit training devices with multi-screen visual systems. We are committed to continual improvement and innovation and our goal is to provide pilots and schools with high tech / low cost simulation solutions.

Robinson R44 Capabilities

Training Capabilities - FNPT II

- Basic and advanced instrument training
- Navigation and procedural training
- Procedural and SOPs training
- Garmin G500Txi familiarization
- Systems Familiarization
- Practice of instrument approaches not commonly used by particular crews
- ILS, VOR and NDB approaches
- PBN / RNP approaches (LNAV – LNAV/VNAV – LPV), if GPS selected.
- Hand flying and instrument scans + AP
- Crew familiarization of instruments and Panels
- LOFT combined with emergency conditions
- Emergency procedures and drills

Features

Overview

- Realistic flight model.
- Realistic T Bar cyclic complete
- Original OEM Garmin G500TXi GDU and Original OEM GTN750 with updatable data base.
- Digital chronometer, VSI, Altimeter, TAS, Artificial Horizon, Compass and engine instruments.
- Autopilot, Intercom, Replica GTR22 Com radio, and transponder.
- Curved screen scenery system providing 220° out of cockpit visuals.
- Terrain model reflecting realistic environment of the EPDE airport area and many other generic airports in Poland.
- Replica Fiberglass cockpit.

Optional upgrades

- Dome with laser projectors
- Upgradable to FTD Level 2

Why buy an Elite R44?

- 35 Years of experience
- 450+ Elite Certified Simulators in 51 countries
- Certification Guaranteed
- ISO 9001 Company
- Small Footprint & Easy Facility
- 99.8% average uptime
- Easy Automatic QTG

The Elite AATD R44:

- Single or dual pilot
- Analog or Garmin
- Upgradable to FNPT II
- Excellent procedures trainer

The Elite FNPT II R44:

- Single or dual pilot
- Cockpit Shell
- Original Garmin TXi
- Original GTN750
- 4m

QRH Failures

In addition to the standard failures as set out in the XPlane software, ELITE has developed and integrated many of the Quick Reference Handbook (QRH) failures into the simulator.

Training Exercises and Climatic conditions

ELITE has programed into the software specific exercises with corresponding climatic conditions in order for users of the systems to conduct rescue, reconnaissance and recurrent exercises.

Instrument Panel

The Instrument and centre console of the R44 unit is in close likeness of that found in the customer's aircraft with GTN750 GPS, G500 TXi, wet compass and intercom system.

Controls

The T Bar Cyclic controls, Anti-Torque Pedals with twist grip Collective system with governors closely replicate the controls found in the actual aircraft with Dynamic Control Loading

Training, detailed manuals and special features

Training will be provided to the personnel who are to use the simulation device and this will cover both the use and general maintenance of the synthetic trainers. ELITE will also supply a detailed Standard Operating Manual (STOM) and maintenance schedules for the device.

Cockpit

Due to the expense and shortage of actual cockpits available in the market, uses a tried and tested "rapid prototyping process" to create cockpits for our simulators. This process enables ELITE to produce multiple cockpits which are very accurate in both size and shape to the actual aircraft. To date this process has been used to manufacture our Bell 206, Bell 412 EPI, Grand Caravan 208, Piper Warrior P28 and Air Tractor 802 cockpits and has a Robinson 22 cockpit ready to be painted in the colour of the customers choosing.

Instructors Station

The Instructors Workstation or IOS consists of the following hardware; A central touchscreen that has the primary instruments on display and a number of custom-made failures for easy access by the instructor so that at the touch of the screen a specific failure can be activated. Included on this display is a camera display which enables the instructor to monitor the Pilot and Co-Pilot, as well as a pause button which will halt the flight so that specific instruction can be given.

A second touchscreen is located above the touch screen which enables the instructor to control items like the weather, additional failures, wind and also monitor and record the aircrafts flight track.
The system also comes with a printer, Hobbs meter and automatic start-up buttons so that the system can be totally controlled from the Instructors Workstation.
A colour laser printer is included to record and print flights for record purposes.

License Rating	Training item	FCL Requirements	FNPT II / III	FNPT II / III MCC
PPL	Training	45 hrs	5 hrs	5 hrs
ATPL / IR Integrated	Visual/Basic instr/Instr Rating/MCC	130/10/40/15 hrs	20/20/-/15 hrs	20/20/20/15 hrs
CPL / IR Integrated	Visual/Basic Instr./Instr. Rating	130/10/40 hrs	20/20/20 hrs	20/20/20 hrs
CPL Integrated	Basic Instrument	10 hrs	5 hrs	5 hrs
MCC	IR/VFR	20/15 hrs	-/-	20/15 hrs
IR Modular	SE/ME	50/55 hrs	35/40 hrs	35/40 hrs
ATPL	Experience	1000 hrs	25 hrs	25 hrs

Delivery and Installation

Documentation & Manuals

Instructor Training

First class customer service

24 months warranty

Your partner in aviation training

Flight school

Individual solutions for all flight school requirements. Call us to discuss how we can help you maximize your potential.

Certified

EASA, FAA, CASA, CAA, DGAC, DGCA approved flight simulation solutions.

Price

Cost effective solutions without quality compromise. We will work with you to find the most cost effective solution.

ELITE Simulation Solutions AG

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