



## Certified Synthetic Helicopter Trainer

**A high-quality training tool for all stages of flight training.**

The Off Planet Simulation AST+ Synthetic Trainer represents a capability revolution in rotary-wing flight training. Designed to meet the requirements of professional training schools, the Synthetic Trainer provides a platform for training elementary, basic and advanced aircraft handling and flight management.

Off Planet Simulation developed the Advanced Synthetic Trainer+ (AST+) concept in co-operation with experienced Military and Civilian helicopter pilots and instructors. Designed to replicate the systems and handling of the Bell 206 helicopter, and with other flight models and cockpit layouts available, the system can be integrated into any single-engine gas-turbine training syllabus for use in instrument flight training and for the introduction of visual flight skills.

### Accelerated learning, increased student success.

When the AST+ is incorporated into your training programme, students and instructors experience a leap in learning, understanding and retention. Students experience learning in an immersive, realistic environment, multiplying the value of real flight hours. Student confidence, familiarity and success increases.

### Outsized capability inside your budget.

The AST+ provides schools with a unique simulation tool at a price point compatible with single-engine gas turbine training costs and with worry-free maintenance requiring no specialist skills or experience and a compact installation footprint.

### Key Features & Benefits

- Exceptional realism for a synthetic trainer
- NVG, IFR and VFR Capable
- Simulator performance with a trainer price tag
- High availability
- Full aerodynamic model
- Autorotation, Translational Lift & Flapback
- Hover training
- Suitable for elementary, basic and advanced phase syllabus integration
- Compact installation



## VFR / IFR / NVG



Designed for flight training pilots of all levels, the Off Planet Simulation AST+ is available in IFR and VFR configurations as well as options for NVG compatibility tested against in-service NVG goggles.

Off Planet Simulation is pleased to offer either conventional instrumentation or a Full IFR fit using our proprietary technologies to integrate genuine Aspen EFD1000\* EFIS displays and the Garmin 430 GPS\*. Alternatively, we can incorporate your preferred IFR avionics.

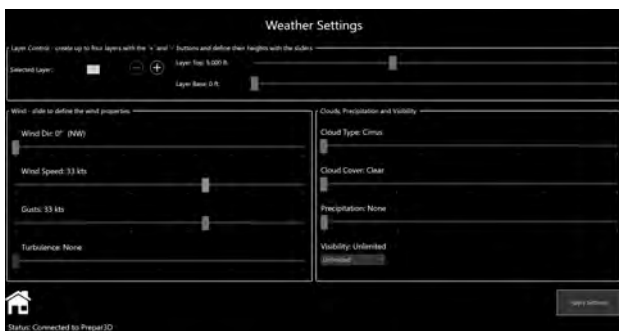
## Immersive Training

The AST+ is equipped with a full 230° x 60° wrap-around visual system with object detection at less than 2 arc minutes for ICAO 9625 compliance. This immersive environment creates strong vestibular sense of motion without the cost, complexity and space requirements of a full-motion platform.

If motion cues are required, Off Planet Simulation can integrate the D-BOX\* motion platform to provide pilots with enhanced feedback.



## Turnkey Operation



Plug-and-train installation requiring a single 240v power supply. Touchscreen instructor interface provides an intuitive system requiring minimum training time, allowing line instructors to walk straight into the AST+ and begin training immediately.

### Physical Specifications

Dimensions	6m x 3.5m x 2.9m
Power	1x 240v / 15A power supply
<b>Operations</b>	
Boot Time	< 3 minutes
Duty Time	No limit
Environmental	Internal climate control.

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