

FIXED-WING FLIGHT TRAINING DEVICE

INTEGRA AURA

CHANGING HOW YOU THINK ABOUT SIMULATION

When you work with TRU Simulation™, you'll get a team who listens to your needs for today and tomorrow. Together, we'll consider your training requirements and financial realities to help you select from our full lineup of devices—supporting ab-initio to type rating pilot training. We've integrated technology across our entire product lineup, so pilots can train on the same software used in Full Flight Simulators (FFS). Keep exploring to learn how TRU Simulation™ excels in Fixed Wing simulation and how we can bring that reality to you.



INTEGRA AURA

Discover high quality training balanced with an attractive price when compared to full flight simulators. TRU Simulation™ is an expert at building the most advanced FFS and our Integra Aura™ Flight Training Devices (FTD) benefit from the same software baseline and advanced design delivering the highest fidelity and realism for this category of simulation.

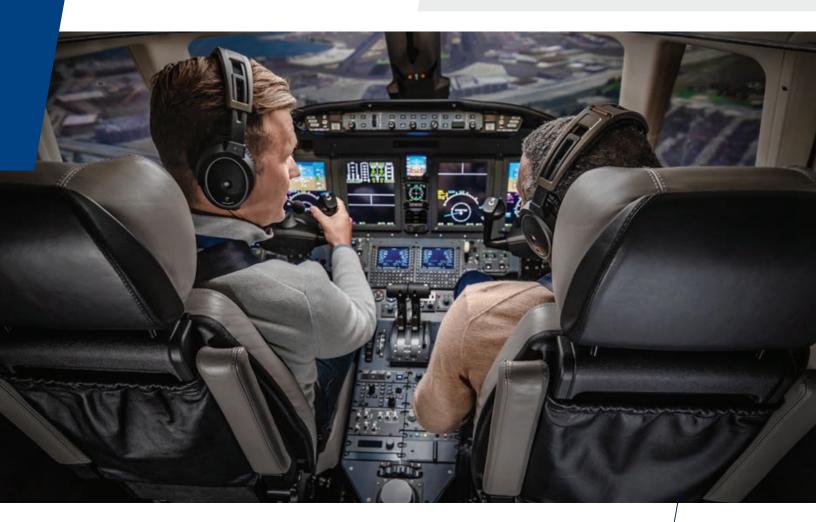
QUALIFICATION

FAA, TC, ANAC, CAAC, CASA, JACB, GACA FTD 4,5,6,7 EASA, DGCA, GCAA FNPT II / FTD 1-2

EXPLORE THE DEVICE

The world of simulation and training can be a complicated and confusing one. At TRU Simulation™, we are here to help guide you in understanding your training requirements and suggest a solution that is best fit for you.

SIMULATOR COMPONENTS



The required components of an FTD are largely defined by aviation regulators. While these regulations vary from country to country, most are aligned with the FAA (14 CFR Part 60) or EASA (CS-FSTD) which are similar in their requirements. Integra Aura™ simulators meet or exceed all regulatory requirements, but instead of a onesize-fits-all approach like many other simulator manufacturers, TRU Simulation™ prides itself on customizing the training device to meet the customer's specific needs.

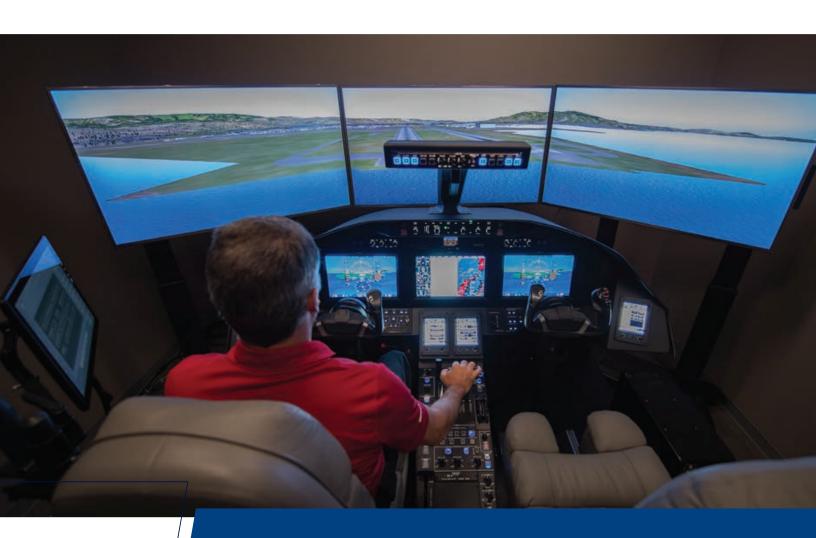
MOTION

Most FTDs are not equipped with a motion system in order to save on costs as it's not a regulatory requirement. However, TRU Simulation™ has a design to fit every need including mini-motion FTDs that create a truly immersive flight training experience. It's level 7 FTD elevates the training experience by including an enclosed environment on a Six Degrees of Freedom (6D0F) electric motion system with 14-inch stroke actuators. This state-of-the-art system combines easy to replace Commercial Off The Shelf (COTS) computer hardware with TRU Simulation's™ proprietary REALCue™ motion cueing software creating a highly realistic flight experience. TRU Simulation's™ eMOTION™ Control Panel with intuitive Graphical User Interface (GUI) makes testing, running diagnostics, and manual operations easy and efficient

VISUAL

The visual systems are highly customizable to fit the customer's desired needs. Displays can range from high-definition televisions to large wrap around visual systems using the latest projectors. All visual systems are designed to create a bright and clear visual scene with an Image Generator (IG) capable of displaying many different scenes and special effects including:

- · High definition airport models
- · Full atmospheric and environmental effects such as clouds, fog and storms
- Various lighting conditions including day, dawn, dusk and night



FLIGHT CONTROLS

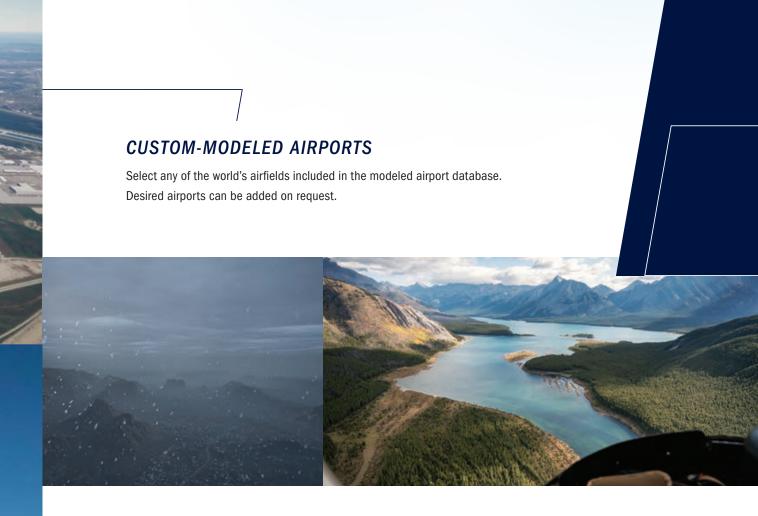
TRU Simulation™ has a long history of producing the most advanced Control Loading System (CLS) in the industry. Our latest generation digital electric CLS provides a high fidelity, realistic force-feel simulation exceeding all simulator regulatory requirements. In fact, TRU Simulation™ uses the same control loading technology in our FTD products that drives our FFS products!

INSTRUCTOR OPERATING STATION (IOS)

The TRU Simulation™ IOS combines powerful components and features with an intuitive user interface to enhance the instructor's ability to effectively manage the simulator. Two touchscreen displays are used to control and navigate the IOS. The IOS also supports maintenance functions such as Qualification Test Guide (QTG) testing, operational readiness tests and troubleshooting. An optional wireless tablet, known as the Remote Instructor Control Unit (RICU), allows the instructor to control the IOS from anywhere in the simulator environment.







CUSTOM VISUAL SCENES

Create unique scenes to address any number of scenarios. While the possibilities are nearly limitless, examples include:

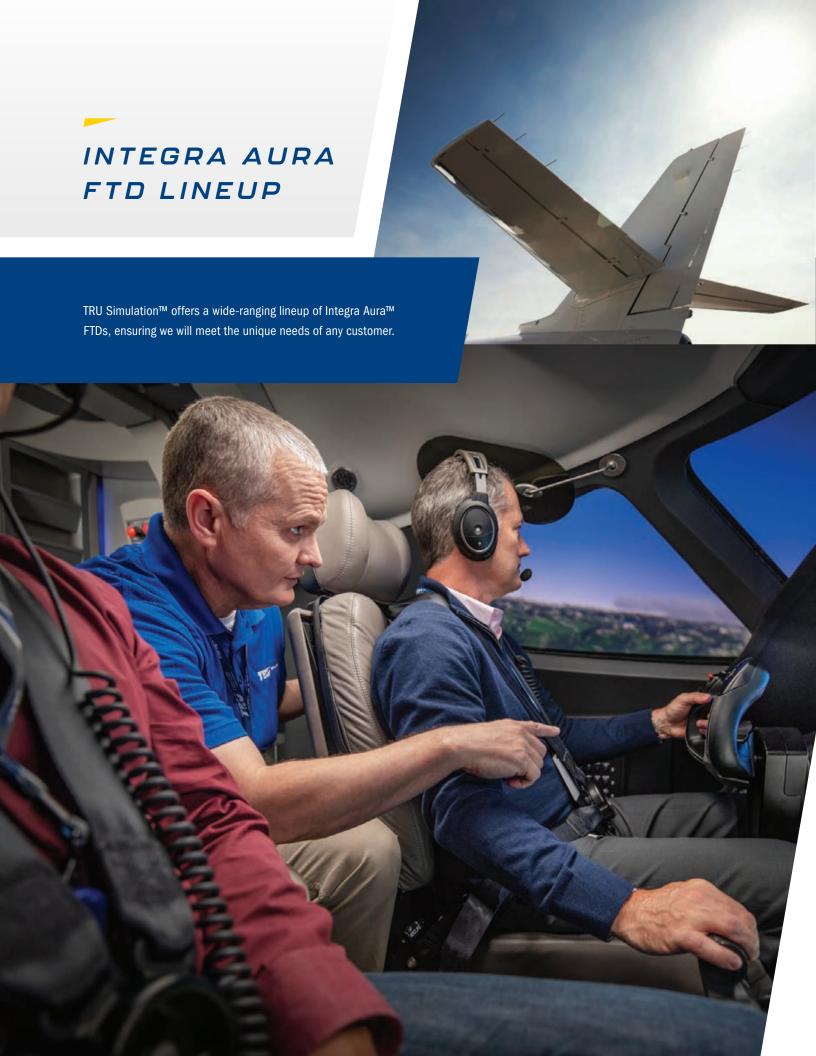
- Off-airport landing on non-maintained surfaces, sloped terrain or confined area
- Search and rescue operations
- Smoke and fire scenes
- Emergency Medical Services (EMS)
- Oil and gas (Offshore)
- Tours
- Surveillance
- Night Vision Goggles (NVG)
- Nap of the Earth (NOE)
- Cargo/Long line vertical reference
- Military and defense

DEBRIEF SYSTEM (DBS)

The DBS makes simulator training session debriefing more effective. The system can capture and combine information from the avionics as well as audio and video of the actual session using mounted camera(s). When the training session is complete, the IOS-controlled system transfers video, audio, moving map, navigational charts, instrument displays and more to the debrief station outside of the simulator for playback.

LESSON PLAN SYSTEM (LPS)

Consistently manage a training session's various scenarios with it's LPS. Using the lesson plan builder, instructors can easily create lesson plans for each training session that include a predetermined sequence of events and activities, making training session management easier than ever.





FTD OPTIONS





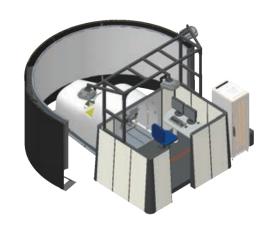
SIMULATOR DETAILS



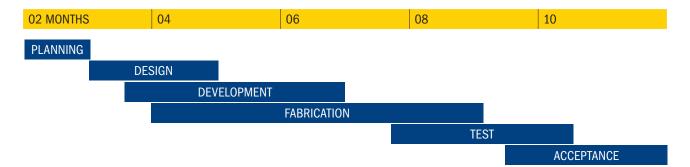
The price range for the Integra Aura™ simulator varies based on the complexity and configuration. While simulator components such as the addition of a motion system or enhanced visual system make up much of the cost variations, the type of avionics and certification level of the device can also affect price. Other factors that drive pricing include optional avionics, software and/or hardware.

SIMULATOR ROOM

Simulator room sizes vary greatly depending on the type of FTD. The most basic FTDs with small visual system and no motion system can fit virtually anywhere in an existing facility. More complex FTDs with larger visuals and motion systems require between to 16-33ft (5-10m) horizontal clearance and 13-15ft (4-5m) vertical clearance.



PROJECT TIMELINE



TRU'S FIXED-WING PRODUCT LINEUP

INTEGRA AURA FAA FTD 5 FAA FTD 6 FAA FTD 7 FAA/EASA EASA FNPT II EASA FTD 2 FASA FTD 2 FFS Level D

| | EASA FNPT II | EASA FTD 2 | EASA FTD 2 | FAA/EASA FFS Level D |
|---------------------------------|--|--|---|--|
| Price | \$ | \$\$ | \$\$\$ | \$\$\$\$ |
| Field of View | Three 60" HD Televisions | 220° X 40° | 220° X 50° | 200° X 40° |
| Motion | None | None | 6 DOF Mini-Motion | 6 DOF 60" actuators |
| Control Landing | Passive or Active | Active | Active | Active |
| Enclosed Cockpit | No | Yes | Yes | Yes |
| Simulator Room Size (L x W x H) | 10ft x 12ft x 10ft (3.1m x 3.7m x 3.1m) | 16ft x 20ft x 13ft (4.9m x 6.1m x 4.0m) | 33ft x 27ft x 15ft (10.1m x 8.3m x 4.6m) | 41ft x 41ft x 29.5ft (12.5m x 12.5m x 9.0m) |
| Typical Training Purpose | Procedural Training | Initial/Recurrent Training | Initial/Recurrent Training | Initial/Recurrent Training & Checking |



LET'S WORK TOGETHER

TRU Simulation $^{\text{TM}}$ collaborates with you to select the right simulator solution — or combination of solutions — to fit your organization.

240+
QUALIFIED, SUPPORTED DEVICES

120+
CUSTOMERS WORLDWIDE

