

MOTUS[®]

Type Specific



A full range of type specific flight simulators from Fidelity Flight Simulation.

Offering our 6-axis, all-electric motion base and our high resolution, wraparound external visual display, Fidelity's versatile MOTUS simulation platform can replicate almost any type aircraft. Fixed wing or helicopter, Fidelity offers a MOTUS simulation solution for any training application.

Fidelity customizes the design of each type specific flight simulation device to meet the training requirements of the customer. Typically Fidelity offers full cockpit replication, with all the necessary systems functionality to satisfy the training curriculum. By only providing the functionality required by its customers, Fidelity reduces cost and makes full motion simulator projects feasible.

Fidelity has sold more affordable, full motion flight simulation devices than any other manufacturer.



Cessna Citation CJ3 with Collins ProLine 21 Avionics



The 6 degree-of-freedom all-electric motion base offers exceptional acceleration in pitch, roll, yaw, heave, surge and sway axes. The design of the motion base maximizes ease-of-maintenance, avoiding the "rags and bags" typical of expensive hydraulic units. And Fidelity's patented motion base interface ensures the motion cueing accurately replicates the sensations experienced in real flight. Aviation insurance underwriters have advocated full motion flight simulation for years, and Fidelity has now made it affordable for any training application.



Fidelity

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Beech King Air 200



Quest Kodiak with Garmin G1000 Avionics

Most MOTUS flight simulation devices feature Fidelity's multi-channel LCD Mosaic Wall external visual display, offering a higher standard of resolution and brightness than is available with any projected display. Also included is a worldwide topographical, airport, and navaid database that can be edited to meet customer requirements.

"(Fidelity's LCD Mosaic Wall offers) a seamless view of the simulated world that fools the eye with illusory depth and texture without breaking the bank on projection visual systems..."

Steve Pope – Aviation International News

MOTUS simulators also include the Fidelity IFR training environment, permitting flight in an almost infinite variety of ceilings, visibilities, precipitation, turbulence and wind shear. With Fidelity's 6 axis motion base, turbulence and wind shear are not theoretical phenomena—pilots are task loaded in a manner not possible in fixed base training devices. Fidelity even includes a *Disorient* function, which enhances instrument training effectiveness by inducing crew spatial disorientation on command.



Instructional System Design: The Key to Cost Effective Flight Simulation

Fidelity Flight Simulation is uniquely able to deliver cost-effective flight training solutions because of its commitment to Instructional System Design. ISD mandates a thorough task analysis be undertaken at project commencement to define the training objectives using a scenario-based training methodology. Each aspect of the simulator is then built to meet these objectives in the most cost-effective manner possible.



Contact Fidelity for an analysis and proposal for your simulation training requirements, and see how cost effective type specific, full motion flight simulation can be.

Garmin photos courtesy of Garmin Ltd. or its subsidiaries

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