

# MOTUS<sup>®</sup>

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.

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.



*Cessna Citation II*



# Fidelity

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Royal New Zealand Air Force P-3 Orion



Bell 222 Helicopter

All MOTUS flight simulation devices feature Fidelity's panoramic LCD Mosaic Wall external display, offering a high resolution outside view that dramatically adds to the authenticity of the flight environment. Also included is a *worldwide* airport, navaid and topographical database that is fully configurable, allowing users to edit topography, add visual objects, and customize the display in ways that add value to the training experience. The Fidelity LCD Mosaic Wall is quickly being adopted as the standard for high quality, affordable external displays.

**"(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

Fidelity features *X-Plane* flight simulation software in all of its simulators. *X-Plane* offers the MOTUS simulator exceptional flexibility, allowing easy modification to the aerodynamic model to meet regulatory or customer requirements. This engineering flexibility is as applicable to helicopter simulation development as it is for fixed wing. Whatever the aircraft, *X-Plane* aerodynamic modeling capability ensures the MOTUS flight simulation device meets all necessary standards.



MOTUS simulators also include the Fidelity IFR training environment, permitting flight in an almost infinite variety of ceilings, visibilities, precipitation, turbulence and wind shear. And with Fidelity's 6-axis motion base, turbulence and wind shear are more than theoretical weather conditions—pilots will be task loaded in a manner not possible in static flight training devices.



**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

**Fidelity**  
Flight Simulation, Inc.

