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INTRODUCING REALSIMS,LLC

RealSims, LLC is a full service integration company specializing in the design, development and delivery of innovative hardware and software products to meet requirements of the US and Foreign Military Simulation and Training market.

The company designs and delivers high quality re-configurable aircraft, ground vehicle and interactive simulators, for use as Part Task, Cockpit Procedure Trainers and Mission Rehearsal systems.

Our products and integration services target all branches of the military including the US Department of Defense (DoD), Defense Advanced Research Projects Agency, (DARPA), NASA, and foreign governments where low cost simulation and training devices are needed to administer real life situational training.

The company segments its products into the following areas :

- Aircraft and ground vehicle simulation
- Reconnaissance & Intelligence (UAV Operator Simulation platforms)
- Re-configurable Distributed mission training (DMT) school house and classroom simulation platforms
- Generic Simulation platforms for Rotary, Fixed Wing Aircraft and Ground Vehicles
- Advanced visualization and display system & technology (Hemispherical Domes, Front & Rear Projection systems & enclosures)
- Software and Integration services

The company has established research and development partnerships the University of Central Florida, and The University of North Carolina A&T. These partnerships involve collaborative joint solicitation of federally funded Small Business Innovative Research (SBIR) projects focused on solving complex problems associated with simulation & training technologies.

The company solely, or in collaboration with a number of qualified strategic partners, maintains a consistent output of new and innovative state-of-art products and solutions developed to meet the future requirements of the markets we serve. The company and its partners specializes in the following areas :

- Fabrication and Integration of Turnkey Rotary and Fixed wing flight simulators & training devices (FTD's, PTT's, CPT's) for low to mid fidelity training and mission rehearsal.
- Flight Controls & Host Computer Environments and Integration
- Software Solutions for Run Time, Sensor and Real Time Simulation Applications
- Re-configurable Flight and Vehicle Simulator hardware platforms (with or without motion)
- Ground Based Operator Consoles For Unmanned Aerial Vehicles (UAV'S), Construction Vehicles and other interactive training platforms

The goal and results of this collaborative business model is to enable the company and its partners to cumulatively pool resources and technology to form a cohesive single entity. This allows the entity (the team) to successfully compete in the market against larger organizations with vast resources and huge operating budgets which the company and its partners would have difficulty matching individually, on their own.

STRATEGIC PARTNERS

The company has spent a great deal of time and effort identifying and establishing a diverse network of highly skilled strategic partners. Strategic partners are selected based on their specialty skills and experience within their respective areas. The company, at its own discretion (usually on larger programs) will assemble and manage technology teams delegating technical tasks and responsibilities to our university and/or industry partners to deliver portions of the solution. In some situations the company serves as the prime contractor on the program with one or more delegated partners serving roles as sub-contractors. In other situations a partner may serve as the prime delegating tasks to the company serving as the sub-contractor to build or integrate components of the system.

The Prime/Sub team relationship is always managed using a proven internal project/program management (PM) methodology. This is the process of administering, managing and controlling program resources and cost. The culmination of the team concept coupled with the PM methodology results in a formidable and powerful business unit in which all parties including the client benefit.

This approach benefits the customer in the form of pass through savings resulting from shared operating expenses, specialized skilled labor, lower development/deployment costs and a well managed project. It also guarantees that the highest quality of workmanship and materials are maintained throughout the project life cycle.

The options and process implemented by the company to selectively pick and choose the best products, services and partners to meet our client requirements is referred to as CUSTOMER DRIVEN INTEGRATION (CDI).

CUSTOMER DRIVEN INTEGRATION

The RealSims CDI concept is based on a defined proven and repeatable managed process designed to extend technology choices to our contracted customer. The process insures that critical defined requirements are not compromised by only having one option or solution to choose from. Most solutions proposed will offer several options such as: Run Time software and visuals, Database and Display systems for the customer to consider. These choices are offered based on technical needs, system performance, image and control fidelity, product longevity, reliability and usability, ease of maintenance, support and general budget limitations.

The RealSims CDI philosophy is effective due in part to the diversity, skill and experience of the company and any selected strategic partner we choose to work with on a given project.

The company's global distribution portfolio include : distributors, integrators hardware and software developers who support our FasTrac Re-configurable Simulator line. The CDI insures that the requirement and customer drives the final solution recommendation, and that is not solely driven by a single software product. The bottom line is, you are not locked into a specific hardware or software solution just because that's the only offered by the selling vendor.

The key to CDI is in our methodically approach to take the time to understanding the customers requirements, performing due diligence and offering alternative hardware and software products and finally proposing the right solution to meet or exceed expectations. We handle all of the integration and provide level one support so there's no need to call multiple vendors when you need help, we provide maintenance and support services on the entire system.

INTRODUCING - FasTrac Reconfigurable Simulator

FasTrac is the Only Totally Modular Reconfigurable Simulator incorporating RealSims unique Patent Pending Modular Design.

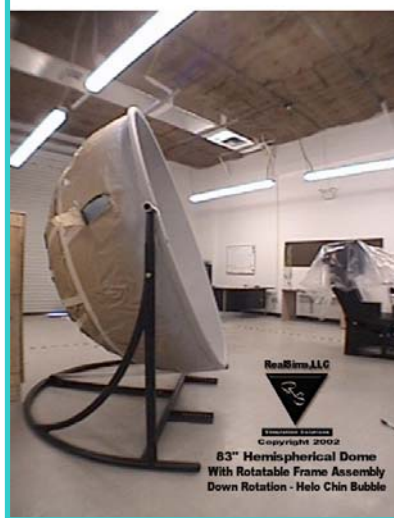
The entire FasTrac Reconfigurable Simulator, (including the display system enclosures) break down into modular units for easy transport and storage making FasTrac the ideal platform for close quarter shipboard or class room training environments.

FasTrac was designed to be totally modular, and transformable capable of supporting any type of aircraft or vehicle simulation training environment, with or without a display system and/or motion.



Rotary wing pilots have very different requirements than fixed wing pilots. For one thing their perspective Field of View (FOV) is different. Helo pilots flying missions in the Kiowa Warrior, TH 57/67 and UH60 rely on “Chin or Cheek Bubble Panels” to

determine closure rates and proximity to the ground. FasTrac’s patent pending dome mount design offers an optional rotatable hemispheric dome and dome frame support assembly to allow a “Chin Bubble” view from a single IG channel/projector combo. By rotating the dome 20 degrees Down and under the RealSims cantilevered helo style rudder pedals (which extend out beyond the leading edge of the platform base), a chin bubble view is obtained using only one IG.



To transform FasTrac from a

Rotary wing to a Fixed wing trainer, simply swap out the front and side instrument panels, with one of our optional fast jet, or heavy configurations, rotate the dome UP to its 30 degree overhead position and the system and display are optimized for Fast Jet applications providing a wide FOV (90-120 degrees) from the pilot seat. Front and/or rear projection systems are available for single or multi channel high fidelity applications.



FasTrac's patent pending integrally mounted projection mount assembly is conveniently mounted behind the front instrument console. The mount assemblies are designed to house from one three projectors to support large dome applications (4 -5 meter domes are available for wide body side by side seat training) or front projections with short throw len's.

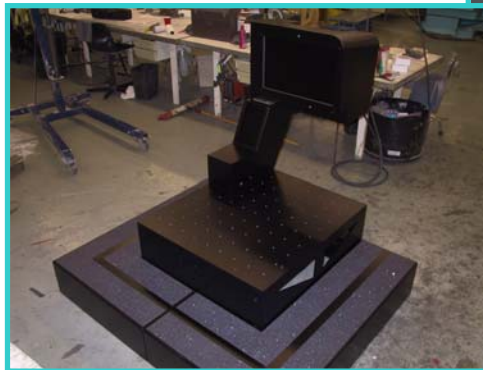


HEAVY DUTY CONSTRUCTION

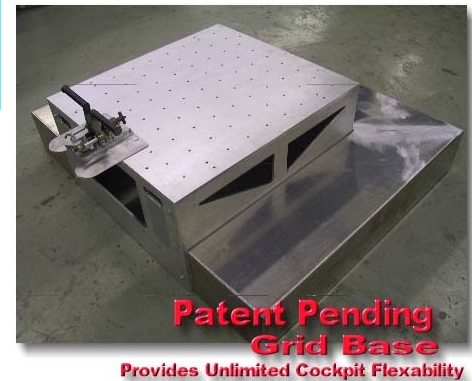
Designed from the ground up for transportability, and rapid deployment.

FasTrac's was designed to be rugged, deployable and easy to assemble and dis-assemble to meet the rigors of military use.

The entire simulator is modularly constructed consisting of small manageable, heavy gauge durable extruded aluminum assemblies, as opposed to composite fiberglass which is cheap to build but vulnerable to cracking over time and when moved. FasTrac's cockpit platform base houses the aircraft or vehicle cockpit components (seats, controls, center



instrument consoles etc). Our unique patent pending GRID Mounting Deck was designed to extend the simulators usability to support just about any interactive training environment or configuration.



Aircraft/Vehicle configuration layouts are defined by the customer and the unit is shipped with a Grid Deck TEMPLATE overlay complying to the dimensional specifications of the aircraft or vehicle (proximity of the controls, switch/button and NAV-RAD location of the aircraft/vehicle being replicated) . The Overlay TEMPLATE align with appropriate tapped mounting holes located on the base deck to insure exact alignment of the vehicle seat, controls and console positions. A

number of TEMPLATES replicating several aircraft configurations are available or can be delivered depending on the aircraft/vehicle type required.

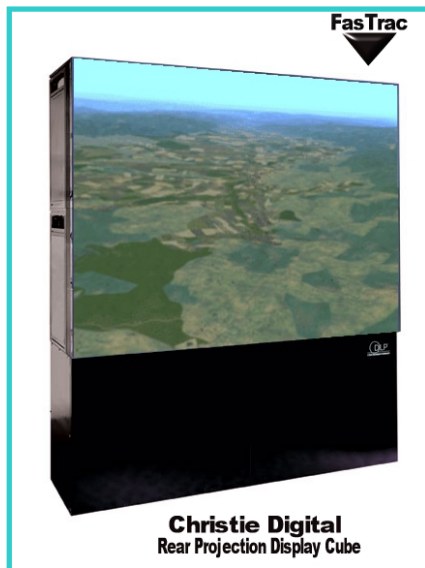
An observation platform consisting of two rectangular L shaped base units attach and surround the base platform Pilot/Co-Pilot POD). This provides a vantage point for instructor or students if training in groups.



Additional base platform units (PODS) can be added for Co-Pilot or Operator Instructor positions. These can be set up front back at various heights (for use with the Apache AH64 pilot/gunner) or tandem for dual crew training applications such as UH60 or C130 or wide bodies). Several flight control options are available from Low Fidelity to Mid and High Fidelity with or without force feedback control loading. Flight controls can also be GANG (linked) for pilot and co-pilot training applications.

DISPLAY SYSTEMS

Several types of display systems such as Front Screen, Single or Multi Rear Projection Enclosures (Cubes) and Small Transportable Hemispherical Domes can easily be added to FasTrac affixed to mounting points located on the leading edge of the base platform to insure precision location of the screen to maximize the eye-point and field of view.



RealSims patent pending rotatable hemispherical dome mount frame assembly can be used with either our brand new 79 or 83-inch domes. This unique dome frame mount allows the dome to be tilted to various rotation angles to optimize the pilots field of view. This feature, in addition to our patent pending projector mount assembly was designed to provide optimum flexibility to support either single or multi channel applications using domes or and front screen displays. If the application requires a larger dome (for tandem wide body aircraft), RealSims offers four (4) and (5) meter hemispherical domes as well. A second co-pilot POD can be easily be added

and installed next to the pilot POD to support tandem dual pilot training. The large domes are supported by swinging the projector mount assembly to the center between the pilot and co-pilot POD. An extended console section containing co-pilot instruments is then added. This hides the integrally mounted projector when it is used in the wide body large dome application. (see photo above).

FasTrac is a commercial off the shelf product (COTS) available only through ReapSims and our authorized dealers and distributors. For additional information on our products and services visit our website at : www.RealSims.com or send an EMAIL to info@realsims.com. Visit us at the Christie Digital Booth at ITSEC 2002 in Orlando December 2 – 5 2002.