

The image shows a comprehensive view of a flight simulator cockpit. At the top, a panel of physical switches and buttons is visible, with labels such as 'RAMS REPLAT', 'WIPER', 'STROBE', 'EXT LT', 'APU', 'IN PRESS', 'VENTILATION', and 'CAB FANS'. The main instrument panel features several digital displays and analog gauges. On the left, there are two primary flight displays (PFDs) showing airspeed, altitude, and attitude. The center console has a multifunction display (MFD) showing engine parameters and a traffic display. On the right, another PFD and a secondary engine display are visible. The cockpit is illuminated with a blue ambient light, and the background shows a simulated runway and landscape.

stacosystems™

Customized Human-Machine Interface Products for

# FLIGHT SIMULATORS

SWITCHES | DATA ENTRY SYSTEMS | ILLUMINATED PANELS | SUBSYSTEMS

# Complete HMI solutions for simulators.

Staco Systems has the expertise to integrate hardware and firmware that cockpit simulators require, offering customers a plug-and-play solution.

## OUR CORE COMPETENCIES

Staco Systems' in-house capabilities in firmware, electrical and mechanical engineering allow us to design and manufacture a variety of Human-Machine Interface components and control panel sub-assemblies for simulators.

Our 60+ years expertise in mission critical HMI applications as well as our partnership with worldwide simulator manufacturers provide us a unique advantage in understanding our customers' simulation and training needs.

We also have expertise in:

- NVIS lighting
- Subsystem assemblies for in-flight use
- High reliability
- HMI solutions for maintenance, flight, naval systems and ground vehicles simulation
- Custom design for flight training devices
- Working with Military and Commercial customers



Examples of Data Communication requirements that we can meet:

- DataLink Technology
- PoE (Power over Ethernet)
- RS-232, RS-422, RS-485
- Firmware design and integration

## CONTROL PANEL SUBSYSTEMS

Staco Systems offers custom designs and built-to-print control panel assemblies, from prototype to production, with no minimum. Our in-house CNC machining and PCB assembly capabilities allow us flexibility and a fast assembly time.

Contact us for a quote at [sales@stacosystems.com](mailto:sales@stacosystems.com) or visit our website for more information: [www.stacosystems.com/products/subsystems/](http://www.stacosystems.com/products/subsystems/)



## ILLUMINATED PANELS

Our in-house manufactured illuminated panel range include NVIS and LED lighting.



## DATA ENTRY SYSTEMS

Staco Systems provides highly customizable keyboards, keypads and trackballs used by both the simulator instructor and operator. Among the many keyboard options available are custom shape enclosures, custom keycap/print legends, branding, signal interface (I/O), and LED backlit keyboards that are NVIS compatible.



## LED PUSHBUTTON SWITCHES, INDICATORS AND MATRICES

Staco Systems boasts a wide range of lighted pushbutton switches, indicators and multi-switch module assemblies. Our unique lens technology provides superior optics, LED lighting performance for multiple display solutions and NVIS compatibility.



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Every Staco Systems' solution integrates our core expertise in Human-Machine Interface design and integration for mission control and cockpit applications. Staco Systems is headquartered in North America, with sales support in Europe and Asia.

## Our Mission Statement:

At Staco Systems, our mission is to provide our customers with irreplaceable value in Human-Machine Interface solutions through team member engagement, continuous improvement and industry best practices.



## Contact Us

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