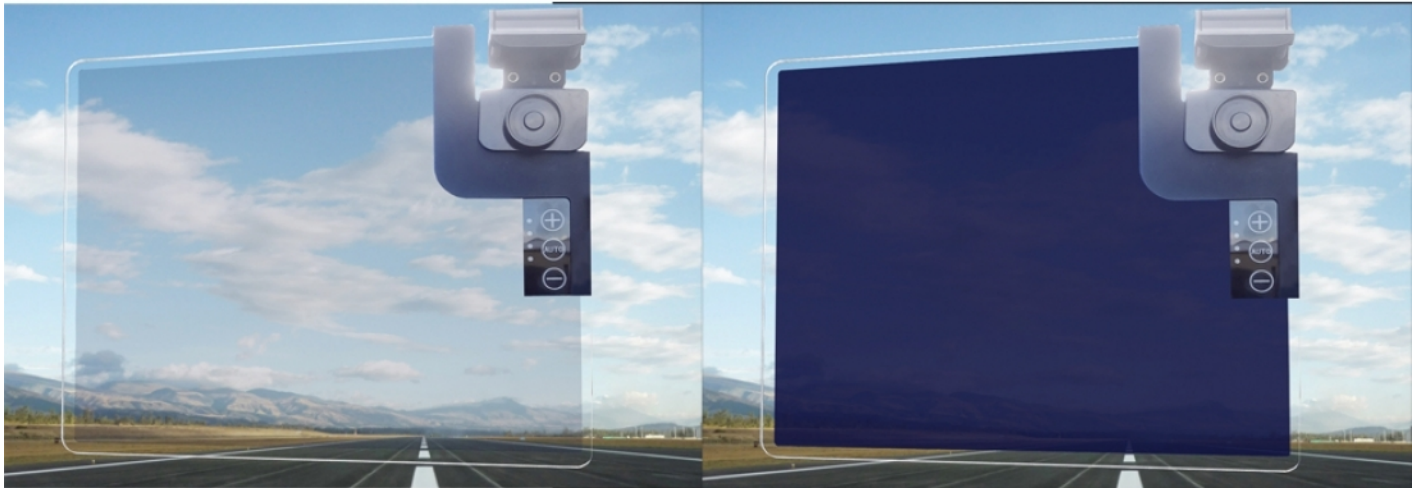




NEW COCKPIT VISORS CAN BE DIMMED ELECTRONICALLY

News / Business aviation



Vision Systems (Booth C12545) is introducing its new Opti-Visor, which is an **electronically dimmable visor for the cockpit**. Using three buttons on the visor's polycarbonate surface, pilots can adjust light levels or can opt to have these managed automatically through corrections to the level of tint in the visor. The new equipment operates without any wiring and has an integrated battery that is rechargeable. Another version of the same unit can be powered by transparent photovoltaic cells integrated into the cockpit windows.

The Vision System dimmable windows installed in aircraft cabins use suspended particle device technology that allows them to be dimmed from completely clear to dark to adjust levels of light and heat getting into the cabin. The equipment helps keep cabins cooler more efficiently by blocking up to 95 percent of heat from the sun. It also blocks around 99.9 percent of UV light, protecting aircraft interiors from fading.

According to the company, the windows also are quieter than other solutions. They have no moving parts, with fully integrated electronic controls, and so maintenance costs and downtime are also relatively low.

In addition to the new touchless option, the windows can be controlled through a touch panel directly on the window, a centralized control panel in the cabin or via a wireless tablet device. The equipment also can be integrated with the aircraft's cabin management system.

The windows featured at the NBAA show also include the Energia range, which is powered entirely through photovoltaic cells and runs independently of the aircraft's electrical system. The

cells produce enough power to allow the unit to include a map light or USB plug for recharging cellphones.

Vision Systems is based near Lyon in France. It also has a facility in Florida and another in Singapore. The company also produces the Visi-VIP range of in-flight entertainment systems.

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