



PRESS RELEASE

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VISION SYSTEMS PRESENTS ITS SMART DIMMABLE WINDOWS FOR THE CRUISE MARKET

CRUISE SHIP INTERIORS EXPO, 18-20 JUNE 2019, MIAMI, FL, BOOTH 701

On the strength of its expertise in dimmable shading systems, Vision Systems will exhibit its Electronically Dimmable Windows (EDWs) for solar protection and privacy, including a **curved dimmable solution**, a **complete privacy solution**, and a **multizone Electronically Dimmable Window with integrated information display**.

Vision Systems' innovative solutions make it possible to eliminate shades that clutter up the space, block the view and require regular maintenance. They also allow for a solar protection on windows where shades could not be installed.

Using SPD technology (Suspended Particle Device) Vision Systems' EDWs are directly integrated into the glazing. They enable the passengers or the crew to instantly change the opacity of a window from transparent to dark in order to regulate daylight, glare and heat, while preserving the view, or from transparent to opaque white or dark to control both daylight and privacy. They enhance **visual and thermal comfort** for a greater wellness atmosphere.

Moreover, they contribute to a **reduction of air conditioning consumption** and automatically switch to their darkest possible state when unpowered, keeping the interior cooler and offering privacy.

An integrated IR barrier comes and strengthens heat blockage. These solutions also block more than 99.9% of harmful UV light (even in clear state) to **prevent the interior furnishing from fading**.

The control is easy, directly on the window through a touch panel, with a control unit near the window, through a centralized control panel or tablet for master control, or automatically with integrated light or temperature sensors.

The in-house developed **electronics are fully integrated** which facilitates installation and retrofit and provides a **considerable reduction in maintenance costs** compared with shades.

These dimmable solutions can be incorporated into **flat or curved surfaces**, use **plastic, glass or composite glass** and tailor **any shape** of windows, in vertical or **horizontal position**.

One of the latest innovations developed by Vision Systems that will be exhibited at the show, is a multizone dimmable window with an integrated transparent information panel based on electroluminescent technology. This elegant digital shade provides opacity control of a chosen zone of the window, and gives real time information to the passengers for a greater comfort and traveling experience. The sleek design of the solution conveys a **modern high-end image allowing for brand differentiation**.

Vision Systems can supply **complete customized systems including composite frames and opening mechanisms** produced in-house.



Based on a new industrial process adapted to **medium series**, Vision Systems' EDWs offer unprecedented optical quality, reliability and competitiveness. Vision Systems is also working on a dedicated business model for glassmakers to integrate the dimmable solution under Vision Systems' supervision, for **large-series** projects.



[Watch Vision Systems' video on EDWs](#)

Headquartered in France, with a production and sales unit in Florida, USA, and trade offices in Singapore, Dubai and Montreal, Vision Systems is a tier-one system supplier in the aeronautic, land transport and marine industries, designing and producing bespoke solutions for specific market segments in complex environments. The company's genuine expertise in shading systems including dimmable solutions places it today as the world leader in this area. Vision Systems combines complementary skills in electronics, mechanics and composite to provide ever more innovative solutions for cost reduction, heightened safety and improved comfort.

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