

PRESS RELEASE

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VISION SYSTEMS CONFIRMS ITS LEADERSHIP IN DIMMABLE GLASS FOR SHADING AND PRIVACY AND UNVEILS NEW AMBIENCE GLAZED SOLUTION

METSTRADE SHOW 2022, NOVEMBER 15-17, AMSTERDAM, NL, SYP - BOOTH 11.303

Vision Systems, a Gauzy company, will present its new smart glass applications for high-end yachts, to designers, glassmakers and hatches manufacturers, including curved segmented **electronically dimmable windows, privacy solutions**, and a **transparent partition with video display**.

Vision Systems' solutions offer **ultimate comfort and elegance** to premium-class boats; they meet the needs of the yacht market in terms of **customization** and fit and finish and their sleek design convey a modern stylish image allowing for **differentiation**.

Recently part of Gauzy, the only material science company to develop, manufacture and process two smart light control technologies, PDLC (polymer dispersed liquid crystal) and SPD (suspended particle device), Vision Systems combines its expertise in dimmable systems with Gauzy's leading-edge SPD and PDLC films to meet the rigorous requirements of the marine market. This synergy of skills increases its capacity to provide solutions with **high level of optical quality and reliability based on advanced properties films**.

Vision Systems' dimmable windows are innovative systems making possible to eliminate shades that clutter up the space, block the view and require regular maintenance. They also provide a **solar protection** on windows where shades could not be installed or reached.

These smart solutions enable the occupant to gradually change the tint of a window from transparent to opaque, in order to regulate daylight, glare and heat while preserving the view, or for instant **privacy**. They enhance **visual and thermal comfort** and create an open air feeling for a peaceful atmosphere.

Moreover, they switch to their darkest possible state when unpowered, maximizing heat rejection, contributing to a reduction of air conditioning consumption, maintaining the interior cooler and keeping the inside out of view when in port.

An integrated IR barrier further strengthens heat blockage. These systems also block more than 99.9% of harmful UV light, even in transparent state, to protect the occupants and to prevent the interior furnishing from fading.

Vision Systems' dimmable solutions can be incorporated into **flat or curved surfaces** and tailor **any shape** of window or partition, in vertical or **horizontal position** (pergolas).

Controlling these smart systems is easy, directly on the window through a touch panel, with a control unit near the window, through a centralized panel or tablet, or automatically with integrated light or temperature sensors.

The in-house developed electronics are integrated which facilitates installation in original equipment or retrofitting and **reduces maintenance time** compared with shades (no moving part, easy cleaning).

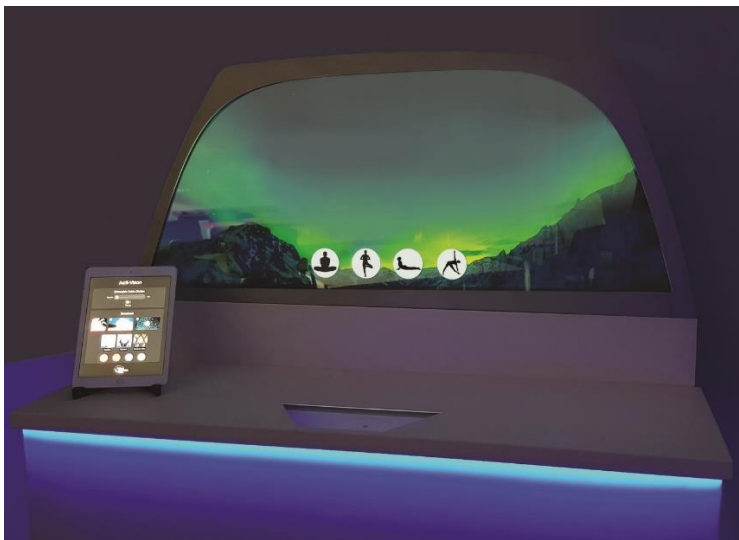
Building on its internal know-how in composite, Vision Systems can supply **complete customized systems including composite frames and opening mechanisms**.

Another solution to be showcased at METSTRADE is a segmented dimmable window paired with mood lighting, offering a choice of ambiances through an **Ambience Management System**.

The traveler can select a “mood” leading to the automatic synchronization of the dimmable windows and lighting to create the perfect wanted atmosphere and enjoy a personalized experience.

Developed in-house based on Vision Systems competence in cabin management systems, the application could manage other ambience elements (temperature, video, sound).

Lastly, Vision Systems will present a **smart switchable display**. The new solution consists in a glass partition displaying information, images or videos. It combines both SPD and PDLC technologies to offer perfect contrast and readability. When nothing is displayed, this smart partition can either be transparent, opaque white to enjoy daylight and privacy, or dark for shaded or complete privacy.



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Based near Lyon, France, with a production and sales unit in Florida, USA, and trade offices in Singapore, Dubai and Montreal, Vision Systems designs, produces and markets complete and bespoke solutions for the aeronautic, land transport and marine industries. The company's genuine expertise in 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.

Vision Systems was acquired by Gauzy Ltd., a world leader in material science and nanotechnology, in February 2022.

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