



PRESS RELEASE

Brignais, 19th October 2018 – for immediate release

VISION SYSTEMS PRESENTS ITS ELECTRONICALLY DIMMABLE WINDOWS AND SMART INTERACTIVE WINDOWS WITH ELECTROLUMINESCENT SYSTEMS

METS TRADE SHOW, NOVEMBER 13-15, 2018, AMSTERDAM, NL - SYP, BOOTH 11.303

On the strength of its expertise in dimmable shading systems, Vision Systems will present a wide range of the second-generation Electronically Dimmable Windows (EDWs), Nuance V2, and smart interactive windows including electroluminescent information and a transparent touch control panel, Info-Vision.

Vision Systems' electronically dimmable solutions offer **ultimate design and privacy** as well as **enhanced visual, thermal and acoustic comfort**, for a peaceful atmosphere and a more enjoyable time on the water. They enable passengers to change the opacity of a window to regulate daylight, glare and heat entering in while preserving the view.

Based on a new industrial process adapted to small-medium series, Nuance V2 provides unprecedented optical quality and allows for a more competitive product.

Using SPD technology (Suspended Particle Device), Vision Systems' EDWs offer infinite variable shading from fully clear to an extremely dark state and instant response time. They contribute to a reduction of air conditioning consumption and automatically switch to their darkest possible state when unpowered, maximizing **heat rejection** and keeping the interior cooler, with a reduction of inside temperature up to 10°C/18°F. As an option, an integrated IR barrier comes and strengthens heat blockage. These solutions block more than 99.9% of harmful UV light (even in clear state) to **prevent the interior from fading**.

They also deliver a weight reduction of about 30% compared with motorized shades. Furthermore, the in-house developed **electronics are fully integrated**. Vision Systems' EDWs are easy to install, to retrofit and provide 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**.

Vision Systems will exhibit a large dimmable pergola window, the Eco-Smart self-powered dimmable hatch with photovoltaic cells to operate the dimmable solution totally independently of the boat electrical system, a curved **multizone** solution with each zone to be controlled independently, and a **privacy solution** dimming from transparent to opaque white or dark to control both daylight and privacy.

Two **Electroluminescent** systems will be displayed, both integrated in dimmable solutions, one displaying information, the other one being a transparent touch control panel.

All these solutions **include the control electronics**, internally developed, enabling different types of control: buttons, touch panel, PEDs, centralized control panel, gesture (touchless) or integrated light sensors for an automatic mode.

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



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

Client references:

Silver Arrows Marine, Wauquiez, Noval, Latitude Yachts, Goyot Systems, Viking Cruises...

Headquartered near Lyon, 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 and the development of customized entertainment & connectivity solutions allows it to rank as a competitive challenger in embedded systems.

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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