



PRESS RELEASE

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## ENHANCE THE PASSENGER EXPERIENCE WITH VISION SYSTEMS' ELECTRONICALLY DIMMABLE WINDOWS!

**Middle East Rail, 26-27 February, Dubai  
Stand H48**

Vision Systems will present its latest generation of [dimmable windows](#), Nuance V2, adapted to the rail market. As an expert in this field and thanks to a new industrial process that has already been tried out successfully in the aeronautic and marine industries, Vision Systems' smart shading systems provide a high level of optical quality and reliability, through a range of packaged solutions adapted to each project.

Vision Systems' innovative solutions make it possible to eliminate shades that clutter up the space, block the view and require regular maintenance. Directly integrated into the glazing, they allow the passengers to instantly change the opacity of their window, or part of it, from clear to dark, in order to regulate glare and heat entering in, while preserving the view. They enhance **visual, thermal and acoustic comfort** for a greater wellness atmosphere.

They also ensure **privacy** from the outside of the coach. An additional privacy option offers temporary view obstruction from the inside of the coach (opaque white or dark) for the protection of certain areas or for a specific staging in touristic trains.

**The control is easy**, directly at each seat, through a centralized control panel for coach-wide master control, or automatically with integrated light or temperature sensors.

The version that will be exhibited at the show is a **multizone** dimmable solution. This digital shade provides opacity control of a chosen zone, allowing each passenger to protect from unwanted light for a greater comfort and traveling experience.





Vision Systems' dimmable windows turn dark when the train is stopped, keeping the interior cooler for **low air-conditioning consumption and energy savings**, and comprise **UV protection** that prevents the interior from fading.

Moreover, the elegant design of Vision Systems' smart solutions convey a **modern image for brand differentiation**.

The electronics of the system are integrated, which facilitates installation in original equipment or retrofitting and **reduces maintenance** (no moving parts, easy-cleaning) and downtime. Furthermore, on the strength of its composite expertise, Vision Systems can provide a complete solution including a high-end **composite frame**.

These dimmable solutions also find application **in the driver cabin**, in the side or back window to avoid glare on the dashboard, or as an ergonomic sun visor integrated into the upper part of the windshield.

This second generation of dimmable solutions is currently in production for two new main train projects.

Lastly, Vision Systems will display a **camera monitoring system**, for enhanced safety and security. Most particularly adapted to tramways, the solution comprises high-definition cameras and interior displays, providing passenger safety along tramways' sides and video recording for legal purposes.

**About Vision Systems:**

*Headquartered near Lyon, France, with a production and sales unit in Florida, USA, and a trade office in Singapore, Dubai and Montreal, Vision Systems is a tier-one system supplier in the aeronautic, land transport and marine industries, designing and producing complete customized solutions for specific market segments in complex environments.*

*The company's genuine expertise in shading systems including dimmable solutions, places it today as a world leader in this area. The group is also a competitive challenger in onboard entertainment solutions and a pioneer in Advanced Driver Assistance 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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