

PRESS RELEASE

Brignais, 30th January 2020 – for immediate release

ENHANCE THE PASSENGER EXPERIENCE WITH VISION SYSTEMS' SMART WINDOWS!

Middle East Rail, 25-26 February, Dubai - Stand D52

On the strength of its expertise in Electronically Dimmable Windows for the aeronautic and marine markets, Vision Systems will present its latest innovations adapted to the rail market with regard to smart shading systems and partition solutions: a multi-zone dimmable window, a dimmable divider with an integrated information display and a concept of glass partition playing videos.

Vision Systems' dimmable windows provide a high level of optical quality and reliability. They 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 transparent 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) when it is necessary to protect certain areas from view, or for 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 **multi-zone** version exhibited at the show is a dimmable solution that resembles a digital shade, providing opacity control of a chosen zone to protect from unwanted light, for a greater comfort and traveling experience.





Vision Systems' solutions block more than 99.9% of harmful UV light (even in transparent state) to protect the travelers and to prevent interior furnishing from fading. An integrated IR barrier comes and strengthens heat blockage.

Moreover, they turn dark when the train is stopped, keeping the interior cooler for **low air-conditioning consumption and energy savings**.

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.

Besides, with its strong experience in composite solutions, Vision Systems can provide a complete solution including a high-end **composite frame**.

Vision Systems will also exhibit a dimmable divider with an **integrated information display** that gives travel information such as time, temperature, remaining kilometers, or a service availability, in addition to providing a smart privacy system.

Another concept of glass partition will be displayed that allows the operator to broadcast **videos** with informational or promotional content. This system offers privacy between classes too.

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

Lastly, Vision Systems will display a **camera monitoring system** comprising high-definition cameras and interior displays, for enhanced safety and security. For trains or trams, the solution provides passenger safety along the sides of the coach and video recording for legal purposes. This smart system with specific functionalities for buses and motorcoaches is already produced in series for European clients and tests are underway in America, Middle East and Asia.

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.

Sales Contact: Abdallah Tabchouri, Regional Sales Director, atabchouri@visionsystems-me.com Tel: +971 52 483 7771

Press Contact: Alexandra Martin-Devaud, Marketing & Communication Manager, amartindevaud@vision-systems.fr



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