

PRESS RELEASE

Brignais, 20th September 2017 – for immediate release

**VISION SYSTEMS UNVEILS ITS NEWEST
ADVANCED DRIVER ASSISTANCE SYSTEMS
FOR THE FIRST TIME IN THE US AS WELL AS ITS
MULTIZONE ELECTRONICALLY DIMMABLE WINDOW
APTA, October 9-11, 2017, Atlanta, booth 8712**

Vision Systems will present its latest innovative solutions dedicated to the public transportation's market, focused on safety, comfort and security.

Building on an 80-year expertise in rear vision and on its business unit Safety Tech, dedicated to Advanced Driver Assistance Systems, Vision Systems will showcase its **camera monitoring system** Smart-Vision, that replaces the rearview mirrors with high-definition cameras and interior displays. Developed by Safety Tech, Smart-Vision is an innovative and efficient solution for buses, coaches, recreational vehicles, trucks and specific vehicles, providing optimized visibility and enhanced ergonomics. The system operates night and day, in every weather and in any driving environment. Compared with standard rearview mirrors, the interior displays eliminate glare and the automatic adjustment of the screens' brightness ensures excellent visibility in all lighting conditions.

Optional **driver assistance systems** developed in-house based on image analysis can be added to the solution. Indeed, the Savety-Mirror solution alone, that comprises side cameras next to the rearview mirrors and an interior display, provides improved visibility, lane changing assistance, blind spot detection, high-speed and long-distance vehicle detection and monitoring of the vehicle's surrounding. The system can be integrated into the Smart-Vision solution without additional cameras.

The Savety-Front solution, most particularly designed for urban vehicles and consisting of intelligent and configurable sensors, alerts the driver when a risk of collision with a vehicle, cyclist or pedestrian is detected. The anticipation of collision is based on path comparison, taking in account the road users' position, speed and direction. The solution differentiates a road user who represents a potential collision danger from another one who does not; if there is no collision risk, the alert does not activate. The system can also include guidance and maneuver assistance, video recording for insurances and statistics on risk areas for drivers' training or improvement of urban space.

Smart-Vision not only offers greater driving **comfort and safety**, but also allows a **high return on investment**, by significantly cutting fuel consumption thanks to improved aerodynamics, and by reducing insurance and maintenance costs, while maximizing the vehicle's availability.

Furthermore, as an expert in solar protection solutions and following the establishment of Smart Lite last year, a new division devoted to the design, production and commercialization of **dimnable solutions**, Vision Systems will exhibit a multizone Electronically Dimmable Window (EDW). EDWs, integrated into the glazing, allow the passengers to tune the tint of their window from clear to dark in order to regulate daylight, glare and heat entering in, while preserving the view. They enhance **visual, thermal and acoustic comfort**, for a greater wellness atmosphere. They can be controlled directly by the passenger, through a centralized control panel, or automatically with integrated light sensors.

Moreover, they turn dark when the vehicle or train is stopped, keeping the interior cooler for low air-conditioning consumption. The electronics are integrated, which facilitates installation (original

equipment or retrofitting) and reduces maintenance and downtime. Lastly, they are suitable for large flat or curved surfaces with different zones to be dimmed independently.

Vision Systems is also a European leader in the **driver protection door's** market, with its modular composite-based door comprising a reliable up/down sliding glass that separates the driver from the passengers to provide more wellness and **more security to the bus drivers**. Easy to install, to retrofit and to maintain, Vision Systems' Savety-Door will be exhibited at APTA too.

Headquartered near Lyon, France, with a production and sales unit in Florida, USA, and a trade office in Singapore and Dubai, 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. Vision Systems' land transport activity offers global solutions for coaches, buses, recreational vehicles, specific vehicles and trains: solar protection solutions, embedded entertainment systems, driver protection doors and Advanced Driver Assistance Systems. Vision Systems combines complementary skills in electronics, mechanics and composite to provide ever more innovative solutions for improved comfort, costs reduction and heightened safety.

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Bien cordialement,
Best regards,

Alexandra MARTIN-DEVAUD

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A banner for Vision Systems' exhibition booth. On the left is the Vision Systems logo. In the center, it says 'Meet us at' above the 'APTA EXPO' logo, which includes the text 'PUBLIC TRANSPORTATION & PREMIER SHOWCASE', '9-11 October 2017', 'Atlanta, USA', and 'Hall C - Booth 8712'. On the right, it says 'busworld.' in red, followed by 'EUROPE KORTRIJK', '20-25 OCT 2017', and 'Hall 3 - Booth 308'. The banner has a blue and white color scheme with a curved bottom edge.