

New innovative transport technologies have been presented by Vision Systems

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Vision Systems has presented its new innovative solutions for the public transport sector, which has a focus on [safety](#), [comfort](#) and [security](#).



First up is Smart-Vision, which is a camera monitoring system that replaces rearview mirrors with high-definition cameras and interior displays. Developed by Vision Systems' business unit Safety Tech, Smart-Vision is an efficient solution for buses, coaches and recreational vehicles, providing optimised 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.

Another new solution is the Savety-Mirror, which comprises side cameras next to the rearview mirrors and interior display, providing improved visibility, lane-changing assistance, blind spot detection, high-speed and long-distance vehicle detection and monitoring of the vehicle's surroundings.

Next is the Savety-Front (consisting of intelligent and configurable sensors) which alerts the driver when there is a risk of a collision with a vehicle, cyclist or pedestrian, taking into account other road users' position, speed and direction.

The innovative 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 manoeuvre assistance, video recording for insurances and statistics on risk areas for drivers' training or improvement of urban space.

The last solution is the Electronically Dimmable Window (EDW) which allows passengers to change the tint of their window to regulate daylight, glare and heat. They can be controlled directly by the passenger, through a centralised control panel, or automatically with integrated light sensors.

Furthermore, they turn dark when the vehicle or train has stopped, keeping the interior cooler, which helps on air-conditioning consumption. The electronics are integrated, which facilitates installation (original equipment or retrofitting) and reduces maintenance and downtime.