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Press Release

Applied Deep Learning for Incident Management in Túnel Oliana, Spain

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The C-14 road, called the Tarragona Andorra Link, is one of the most important routes in Spain, as it connects The Pyrenees with Lleida and the Catalan coast. Part of the route runs through a mountainous terrain hit by severe weather conditions during the winter, where there are several concatenated tunnels, Oliana among them.

Under these circumstances, the national traffic authorities focus specific attention and resources to the safety of these critical tunnels, where Citilog is proud to provide its Incident Management solution.

This location has been chosen to perform a pilot with CT-ADL (Citilog Applied Deep Learning technology) on the highway leading to the tunnel portal, using an Axis P6155-E PTZ camera. It is an area where traditional Incident Management systems would generate significant number of "Stop vehicles or Debris" false alarms, mainly triggered by shadows or rain puddles.

The results were outstanding after 2 weeks of data gathering: the false alarm rate was decreased by a factor of 12, while maintaining the detection rate. This outcome proved to the authorities the performance improvement achieved with Citilog's state-of-the-art technology which should be included in upcoming system upgrades.

About Citilog

Citilog is a member of the Axis group of company since 2016. Citilog is the leading provider of intelligent real time video analytic software for monitoring and surveillance solutions throughout the world. Citilog's suite of software-based products offers a variety of video analytics in the field of transportation such as Automatic Incident Detection, Traffic Data Collection and Intersection Control; as well as a Video Management System.

Citilog provides a full spectrum of solutions from software licenses to be installed in Axis' cameras or in locally-sourced hardware to turnkey solutions: video equipment, video analytics, enforcement, LPR, Video Management and more. The company's products enable immediate and efficient traffic, safety and/or security management of roadways, tunnels, bridges, intersections. Systems are deployed at some of the world's best known landmarks such as, the Lincoln and Holland Tunnels in New York; Lupu, NanPu and Yanpu bridges in Shanghai, China; M30 tunnels in Madrid, Spain; the Mont-Blanc tunnel spanning France and Italy and over more than a thousand other locations.

Citilog is based in Paris, France with international offices in the USA, Hong Kong and Spain. More information is available at www.citilog.com.