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Press Release

Applied Deep Learning for Incident Management in Túnel de Montemor, Portugal

Valencia, December 15th, 2020

The tunnel of Montemor is located at the A9 highway, which constitutes the ring road of Lisbon. It facilitates the connection between the Estoril Coast, west of the capital, and Alverca, which establishes the main link to the north of the country.

The tunnel, located at kilometer 17, crosses the Serra da Amoreira and is 650 meters long. It consists of 2 unidirectional tubes, with 2 lanes per direction. Citilog's Incident Management solution has been selected to provide the Automatic Incident Detection and it will work with the video stream of 22 cameras distributed in the two tubes.

Cameras at the portals will benefit of the latest analytics technology: CT-ADL (Citilog's Applied Deep Learning). The challenging environment in these areas (shadows, puddles...) can raise false "Stopped vehicles" or "Debris" alarms in traditional Automatic Incident Detection systems. But, CT-ADL, which is built upon a neural network trained to eliminate the false positive detections, is able to decrease the false alarm rate by a factor of 10, while maintaining the detection rate.

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 900 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.