Macq

M³ Module: Dangerous Goods

Real-time detection of HGV carrying dangerous goods and reducing time to intervene to enhance on road and tunnel safety.

According to the "Agreement concerning the International Carriage of Dangerous Goods by Road" **(ADR),** dangerous goods, apart from some excessively dangerous goods, may be transported internationally by road vehicles. Examples include **flammable liquids,** substances which are **explosive,** self-reactive, infectious, **radioactive** or toxic.

To reduce the risk of **disasters in cities** and on roads with high traffic density, such as in **tunnels,** the EU is seeking to implement solutions restricting access for vehicles carrying dangerous goods.

Real-time warnings can be programmed, or **emergency procedures** can be triggered. At the same time, local authorities must be able to intercept these vehicles quickly and impose heavy fines in the event of regulation infringement.

We offer a solution that aims to minimize such risk. Through powerful intelligent AI cameras and our powerful **M³ software man machine** interface, we are able to warn the operator in real-time of all dangerous goods present in a defined area and display messages on variable message signs (module VMS on option).

As we at Macq are very eager to help you protect your citizens and infrastructure, we are really looking forward speaking about your project and designing a solution tailored to your Traffic

Key Features

- Rectangular, orange-colored ADR plate recognition, even if blank/empty, certain trucks carrying several different substances at the same time. We are also capable of recognizing the make and model and color of such a dangerous vehicle (MMR on option)

- Ensure the highest level of safety on roads and in tunnels by monitoring in real time the number of vehicles carrying dangerous goods and ADR identification.

- Calculate the risk level in a defined area by taking into account the mixture of various dangerous goods vehicles carrying various substances.

- Increase civil protection by monitoring restricted traffic zones, e.g. city centers

- Dynamic traffic management by displaying tunnel bans and alternative routes for certain ADR classes using variable message signs (VMS)

- Create meaningful statistics & information raising awareness of the risk of accidents involving dangerous goods vehicles.