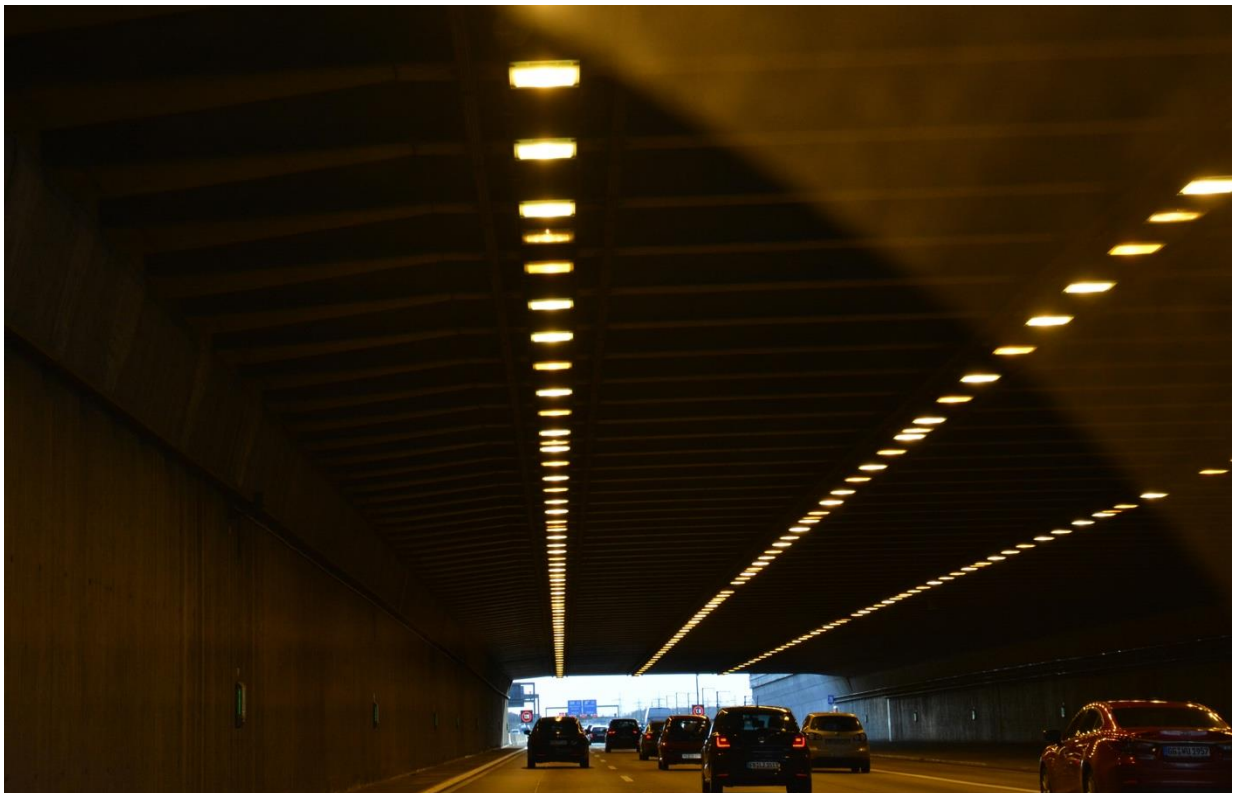# AI-AID
Automatic Incident Detection

AI-AID

AI-AID is a video analytics application based on advanced artificial intelligence and deep learning algorithms for Automatic Incident Detection (AID) designed for highways, tunnels and in low visibility scenarios.

AI-AID can be used to detect, in real-time, potentially dangerous behaviors or situations on the road, such as vehicles traveling in the wrong direction, stopped vehicles, U-turns, pedestrians in restricted areas. Finally, it can be used to determine traffic queues and road congestion, notifying both the start and end of these situations. Using the same camera, AI-AID can detect smoke and flames.

The application includes all the functionalities of AI-INCIDENT, AI-FIRE, and AI-SMOKE, with the addition of the capability to detect cargo loss from vehicles in transit on highways.

AI-AID USE CASE

AI-AID is a comprehensive solution for ensuring safety on highways and in tunnels.

The application can detect potentially dangerous driver behaviors such as wrong-way driving, U-turns, and continuous lane changes. Additionally, it can detect traffic queues or the presence of pedestrians in unauthorized areas such as emergency lanes or highway ramps.
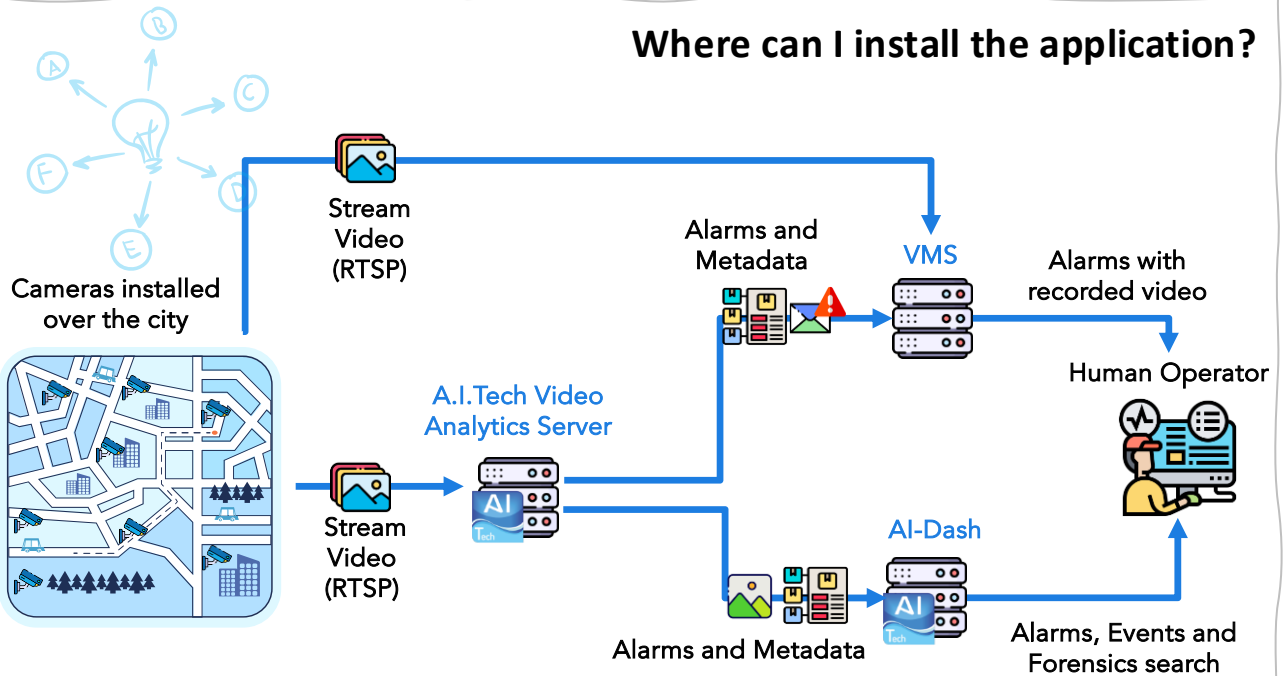Finally, through the detection of smoke and flames, it allows for prompt intervention in case of fires.
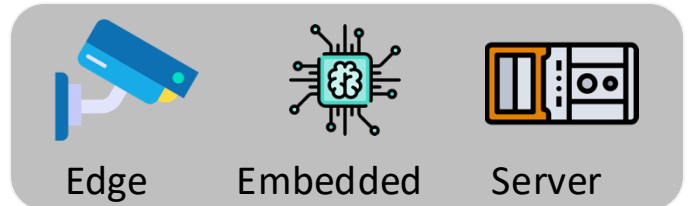
Where can I install the application?

Stream Video (RTSP)

Cameras installed over the city

A.I.Tech Video Analytics Server

Stream Video (RTSP)

Alarms and Metadata

VMS

Alarms with recorded video

Human Operator

AI-Dash

Alarms and Metadata

Alarms, Events and Forensics search

The detailed list of specific compatible platforms can be reached via the link.

Edge   Embedded   Server

INTEGRATION

Where can we notify the events generated by the app?

Events can be sent to external servers using over 20 different mechanisms, which include third-party VMSs, standard protocols (such as HTTP, FTP, MODBUS and MQTT) and also A.I. Tech proprietary protocols, which allow the notification of events to the dashboards of A.I. Tech. More information via the link on the right.

A.I. Tech
The Vision of the future. Now.