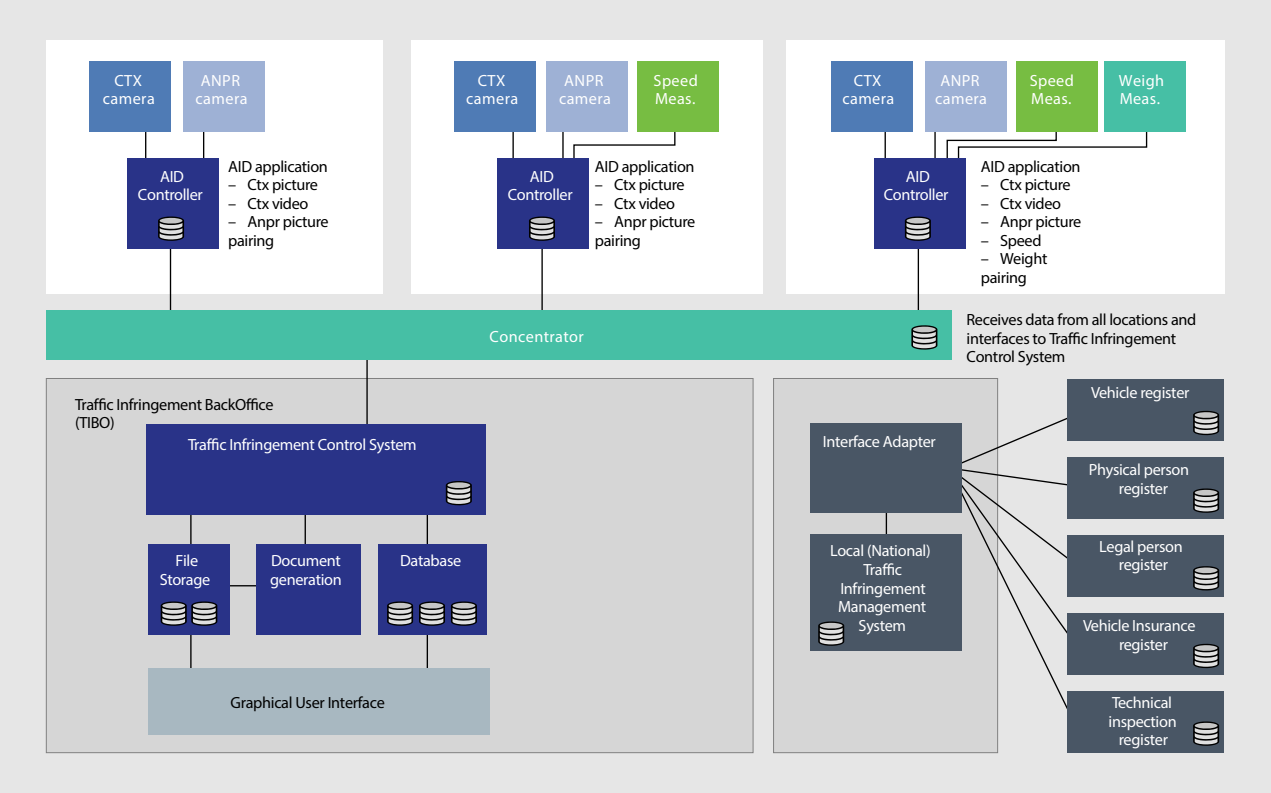
Platform

Automatic Incident Detection (AID)

The Automatic Incident Detection (AID) system is a sophisticated structure consisting of several reliable technologies. Its purpose is to utilise state-of-the-art equipment to produce indisputable evidence for detected road incidents.



Using available data the system is capable of vastly reducing the number of dangerous traffic law violations. The system also allows drivers to be fined directly by producing and sending accident documentation directly to their mailbox.

SCAN ME

More information:
qrfy.com/p/2023_aid

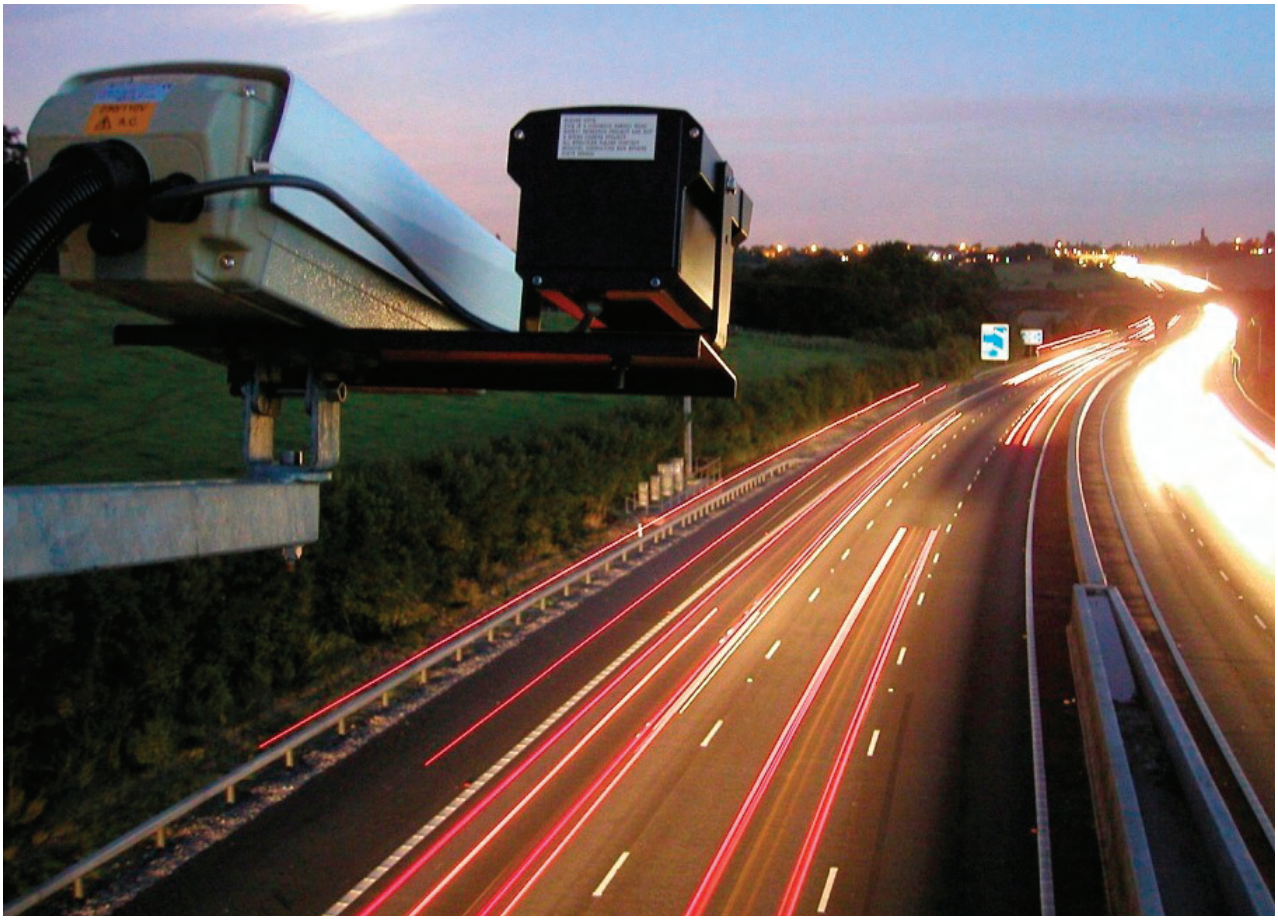
Main components of the AID

- **ANPR cameras**
  Capture licence plates of offending vehicles. A processing unit is located inside the device, allowing for fast, real-time calculations.

- **Context camera**
  This system tracks predefined areas of the road to determine vehicle speed and placement. This system is easily customised and can be tailored to the road operator's needs. It contains two main modules:

  - Video analysis module
  Provides vehicle motion tracking analysis

  - Context picture selection module
  Provides pictures as evidence of the incident



- **Speed measuring modules**

  Provide a reliable measurement of the speed of the offending vehicle. Our system can integrate different kinds of measuring technology:

  - **Doppler principle**

    Radar based – evaluates speed by measuring radio signal wave-length

  - **LIDAR**

    Measures vehicle distance and speed with laser impulses

  - **Inductive loops**

    Speed is measured based on passes between different loops

- **Dynamic weighing module**

  Provides measurement of vehicle weight

All of these technologies have been tried and tested in the field, and we have many years of hands-on experience using them. It is the combination of technologies that creates a completely new system that provides almost full automation in incident detection and minimises the need for human involvement.

The AID system communicates with a central database, which safely stores data collected by its components. Required incident documentation can be generated from the data at any time. By maintaining data in an online database, incident data can be assigned to a particular vehicle by connecting to other online registries containing data of registered vehicles.

To ensure maximum validity of the video and picture material captured by the AID system, it contains data specifying the following parameters:

- Location and GPS coordinates of where the video or image was taken
- Precise timestamp of when the video or image was taken
- Serial number of the component that generated the material

Thanks to the modernisation and maturity of our technology, the AID system can be completely deployed in the span of a few months or even weeks. When implemented, it provides a reliable way of logging road incidents thanks to multiple technologies that have proven their reliability over years of operation.

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