



## Railway Crossing

ARS T&T's Railway Crossing safety system is an advanced traffic safety solution that uses Vision Analytics technology to detect and deter traffic violations at level crossings. The system captures visual proof of offenders and sends it to a user-friendly operator dashboard for processing, resulting in increased adherence to traffic rules and improved safety for all road and rail users. With its flexible application, reduced traffic violations, cost efficiency, and accountability features, the Railway Crossing product is an ideal solution for any level crossing.



### Features

#### Vision Analytics technology

Detects traffic violations at railway crossings using image analysis software.

#### User-friendly Operator Dashboard

Provides a simple and intuitive interface for operators to review and process violations.

#### ANPR camera

Captures registration plate information of offending vehicles using Automatic Number Plate Recognition.

#### Multilane, Multi-Rail Support

Supports any kind of rail operation, including multi-lane and multi-rail intersections.

#### Remote location support

Powerful computing with integrated 4G/Wi-Fi, no need for fiber connections.

## Implementation

Level crossings are notorious for being among the most dangerous road intersections, with almost 1,200 crashes occurring annually in the European Union alone. By implementing innovative technologies with Vision Analytics and ANPR technologies, operators can detect and discourage traffic violations, resulting in increased adherence to traffic rules and improved safety for all road and rail users.



## Advantages

Effective enforcement of traffic rules at these locations is crucial to reducing the number of incidents and making the crossings safer for all road users.

### FLEXIBILITY OF APPLICATION

Flexible installation on various level crossings, multilane and multi-rail intersection for any rail operation, with integrated 4G/Wi-Fi for remote implementation.



### REDUCED VIOLATIONS

Flawless identification of traffic violations. Proper evidence and penalization of violators discouraging repeated offenses, all managed through a user-friendly operator dashboard.

### COST EFFICIENCY

No physical presence required to catch offenders through a user-friendly dashboard for one-click decision-making on fines, while allowing officers to upgrade components "over the air."



### ACCOUNTABILITY

Well-managed workflows, standard procedures, and system access based on roles and location, with automatic case file creation and support provided by the back-office system.



## Benefits

### Enhanced railway crossing safety

- Real-time monitoring and detection of traffic violations
- Evidence collection facilitating efficient enforcement of traffic rules

### Effective traffic enforcement

- Comprehensive evidence and automated case file generation
- Well-managed workflows, standard operating procedures

### Operational security

- Ensure quick response in case of emergencies
- Reduce the likelihood of accidents

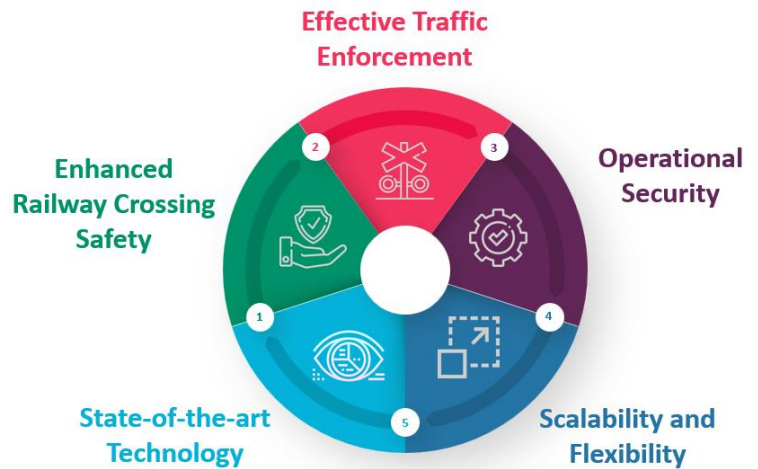
### Scalability and flexibility

- Meets the specific needs of each customer
- Accommodates complex access requirements

### State-of-the-art technology

- Driven by AI Vision Analytics
- Powerful computing with integrated 4G/Wi-Fi

Contact us today to learn more about how our product can increase the safety of railway crossings.



## About ARS T&TT

ARS Traffic & Transport Technology (ARS T&TT), headquartered in the Netherlands has been providing intelligent traffic and transport technology solutions to businesses and government bodies for over twenty years. We are an active player in our home market of the Netherlands, with a particular emphasis on meeting the growing international demand for innovative transportation solutions.

Our mission as an independent 'Intelligent Transport System' (ITS) solutions provider is to rapidly expand our leading position in the fast-growing smart traffic and transportation markets. We believe continuous improvement and innovation enable us to achieve this mission.

For more information, contact us: [info@ars.nl](mailto:info@ars.nl)



100+  
Projects



8  
Countries



24  
Years of experience



350+  
Employees

