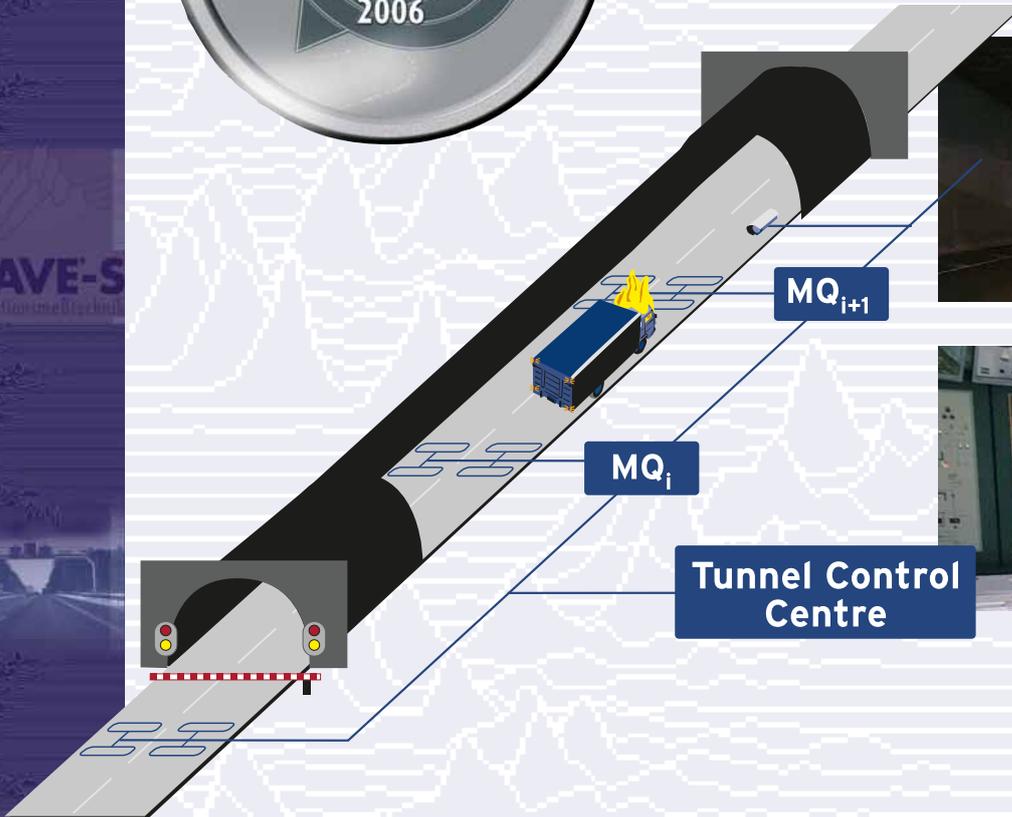


# MAVE<sup>®</sup>-tun

traffic and tunnel safety



automatic alerting system

immediate  
incident-detection

current LOS information

# MAVE<sup>®</sup>-tun

## traffic and tunnel safety

### Features

MAVE<sup>®</sup>-tun is a substantial improvement in road tunnel safety. It uses inductive loops, which are present in tunnels according to national and international standards, for fast and reliable detection of incidents in street tunnels.

MAVE<sup>®</sup>-tun provides operators with full view of the current situation in case of accident, so to call for rescue services effectively. Available rescue time increases typically by several minutes, providing much better chances for live-saving.

### Technology

MAVE<sup>®</sup>-tun advantageously combines loop-sensors:

- independence of weather and sight conditions
- no optical overlaps between the vehicles
- reliability and independence of interferences
- tried and trusted methods for traffic state calculation
- proven vehicle classification

with the successful and trusted MAVE<sup>®</sup>-S correlation method:

- fast and reliable detection of incidents (slow driving or broken down vehicles)
- direct measurement of travel time and traffic density / vehicles within section

as well as the known advantages of video-based systems:

- automatical display of one or more camera pictures with optimal sight and perspective on the concerned location

MAVE<sup>®</sup>-tun measures current number, type and speed of vehicles in tunnel segments and determines traffic condition. Thus incidents are detected directly, fast and unmistakable. The measurement neither requires special equipment nor identifying information regarding the vehicles: MAVE<sup>®</sup>-tun will work with every car and never raises privacy problems.

MAVE<sup>®</sup>-tun is totally independent of environment and sight conditions, is not restricted by smoke and fog, and independent of disturbance by reflections, rain, spray and snow, dazzle and glare. Thus a reliable and consistent detection of traffic states, incidents and accidents, as well as the amount and type of vehicles within sections is guaranteed inside the tunnel and even next to its portals.

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