



18TH ROAD SAFETY CONFERENCE

9th March 2026, Chambéry

Wrong-way Drivers

Solutions and Actions Developed

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Hosted by



A Problem with Multiple Causes

➤ Unintentional Drivers

- Poor visibility or adverse weather conditions
- Distraction (GPS, mobile phone, babies)
- Elderly, disoriented drivers or those under the influence of alcohol/drugs
- Confusing signage on entry/exit ramps or construction sites

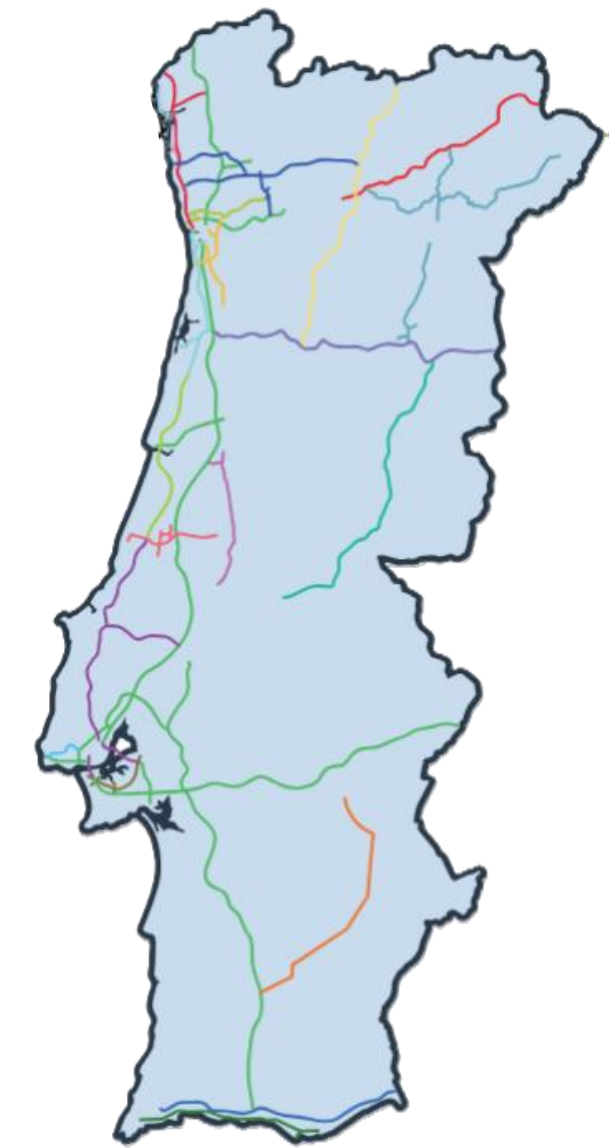
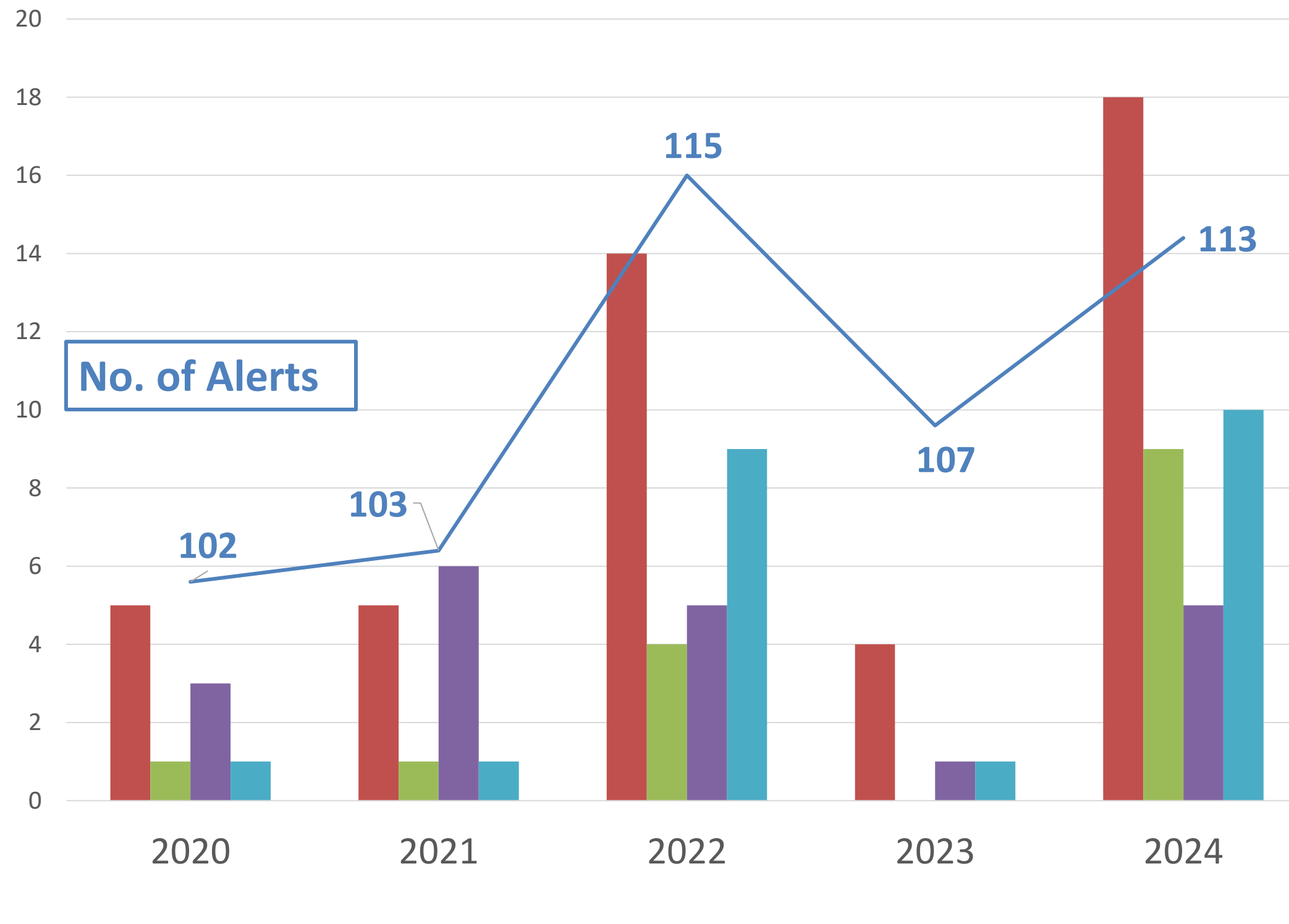
➤ Deliberate Acts

- Turning manoeuvrers after missing an exit
- Attempted suicide
- Turning manoeuvrers after missing an exit
- Toll fraud
- Evasion of police control

Wrong-way accidents are rare, but they carry
a high probability of casualties



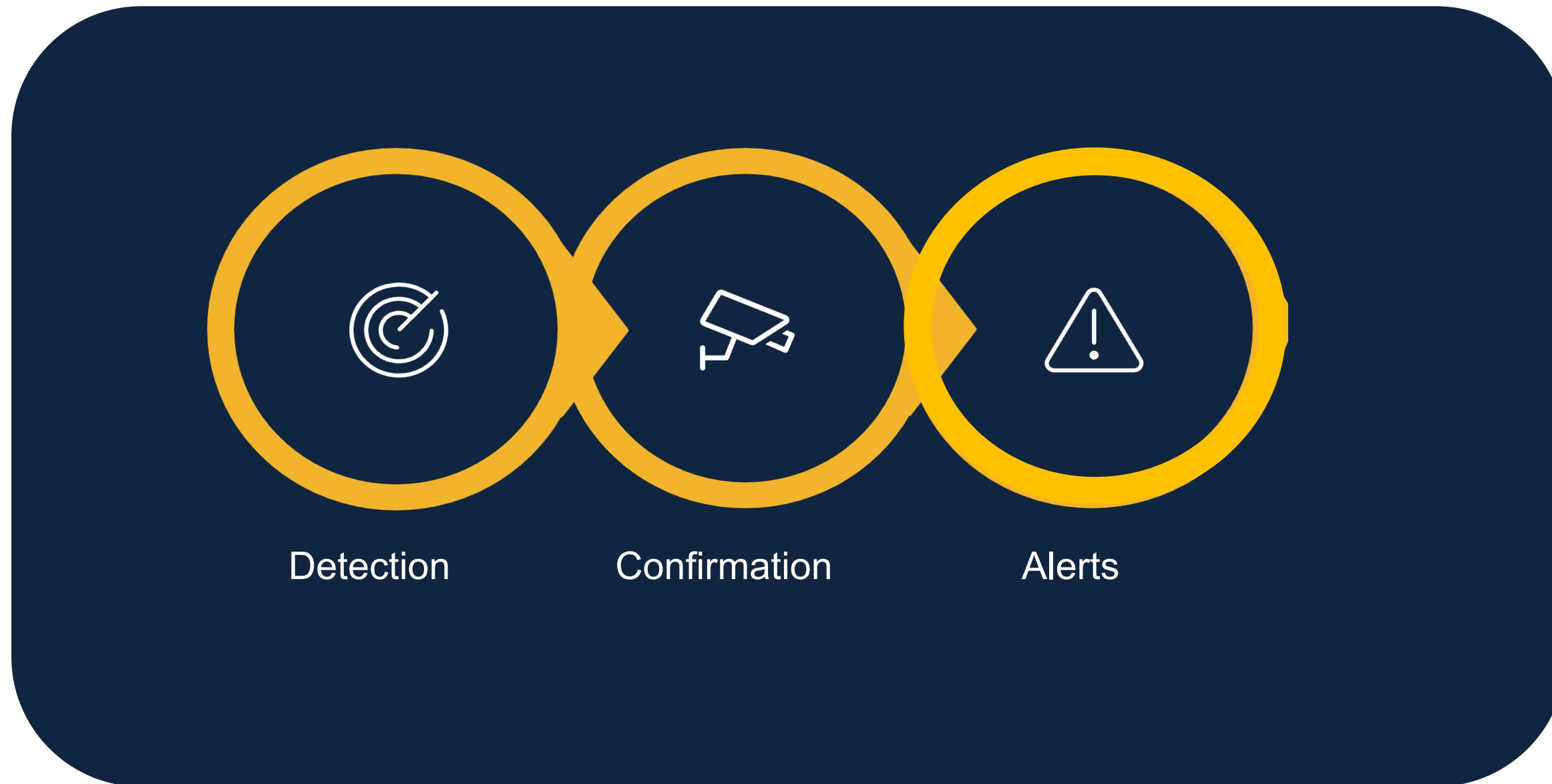
Wrong-way Driving in Portuguese Motorways



- Accidents
- Serious injuries
- Dead
- Slight injuries

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Advanced Detection Technologies



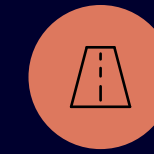
Detection



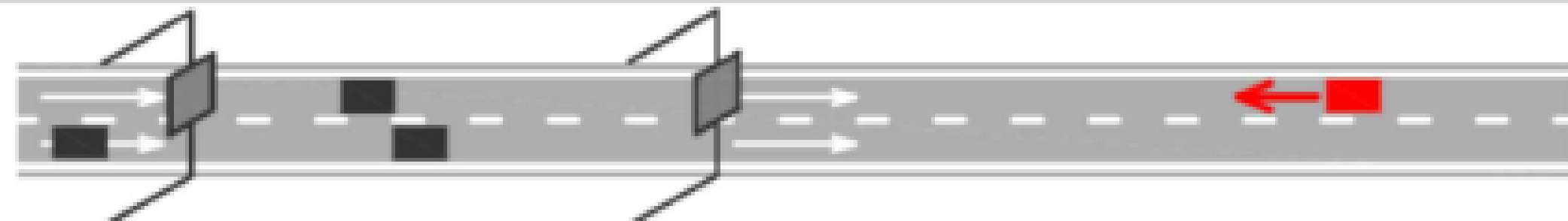
Confirmation



Radar & LiDAR



Loop Detectors and Traffic Counting Stations



Advanced Detection Technologies



Detection



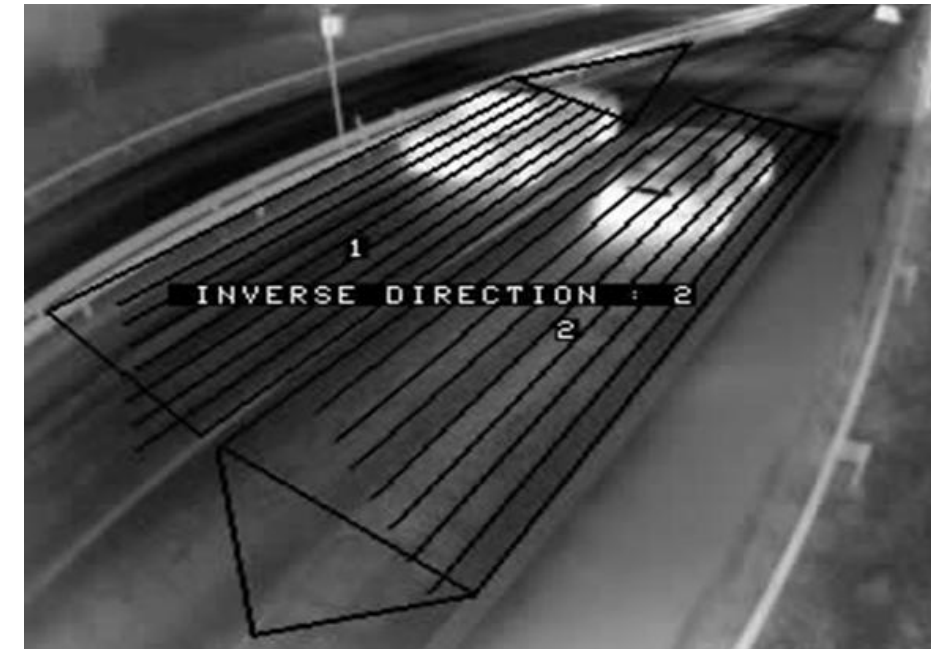
Confirmation



Thermal Cameras & AI



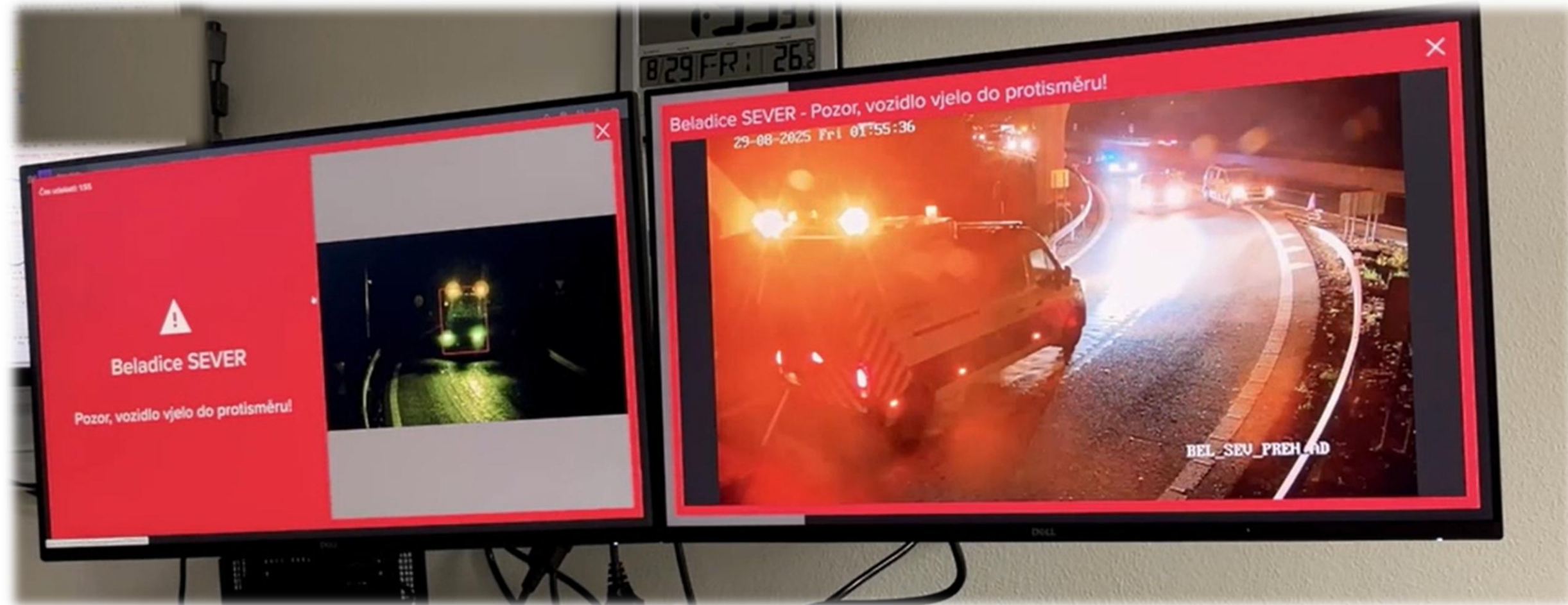
AI Video Analysis





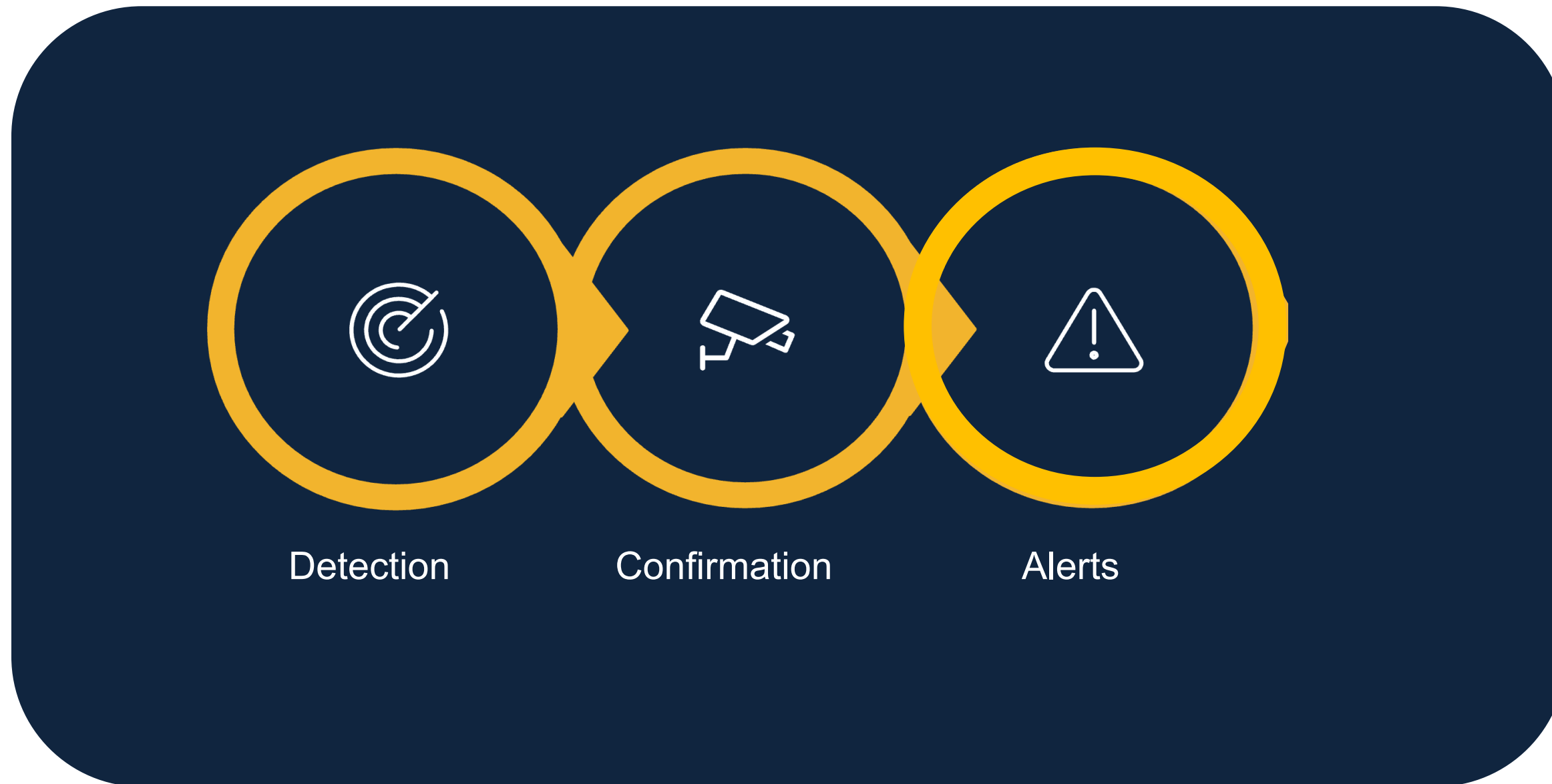
Immediate Incident Response

Operations Center
Automatic notification of the operator
Visual confirmation through CCTV



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Wrong-way Drivers

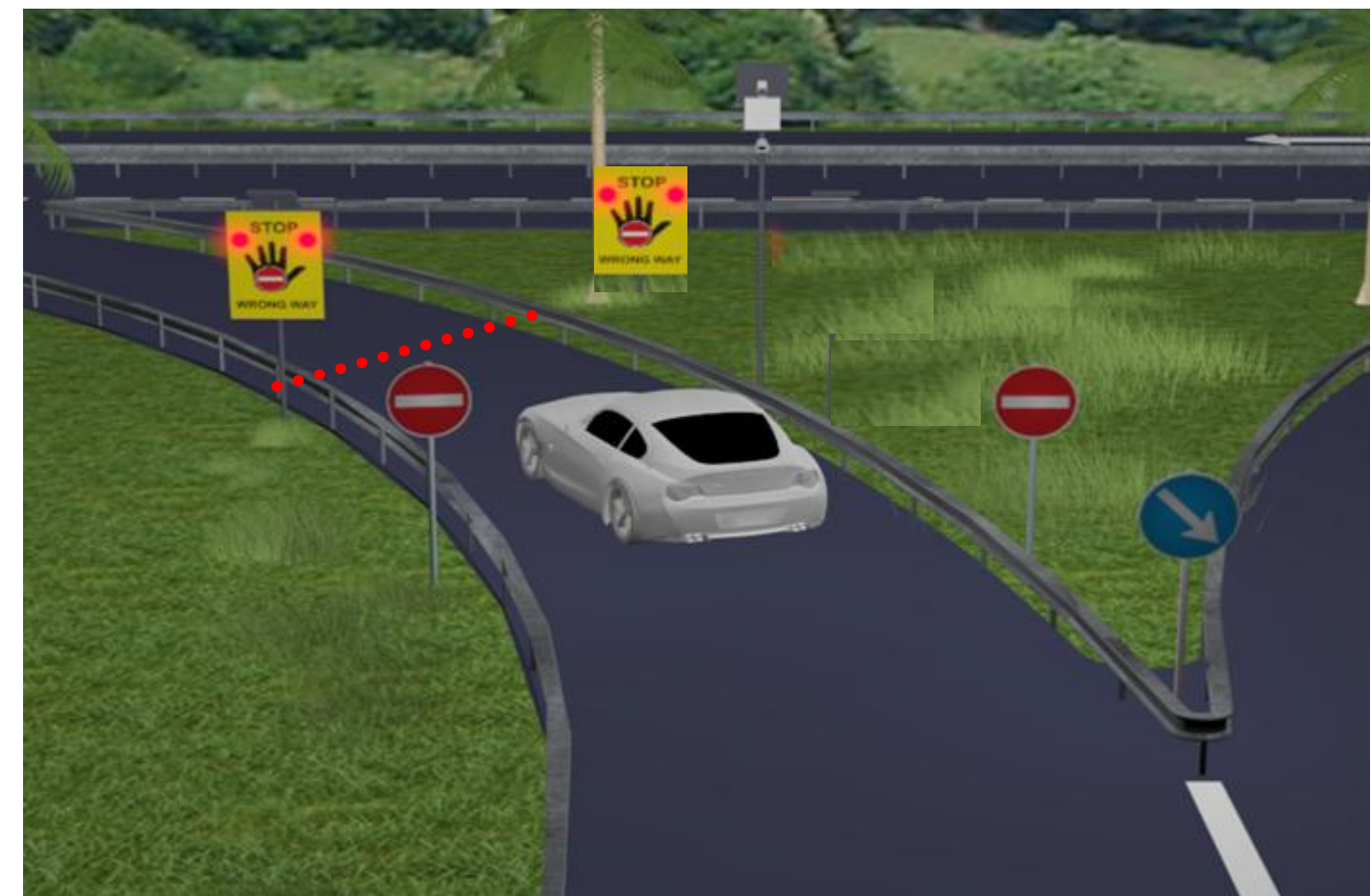
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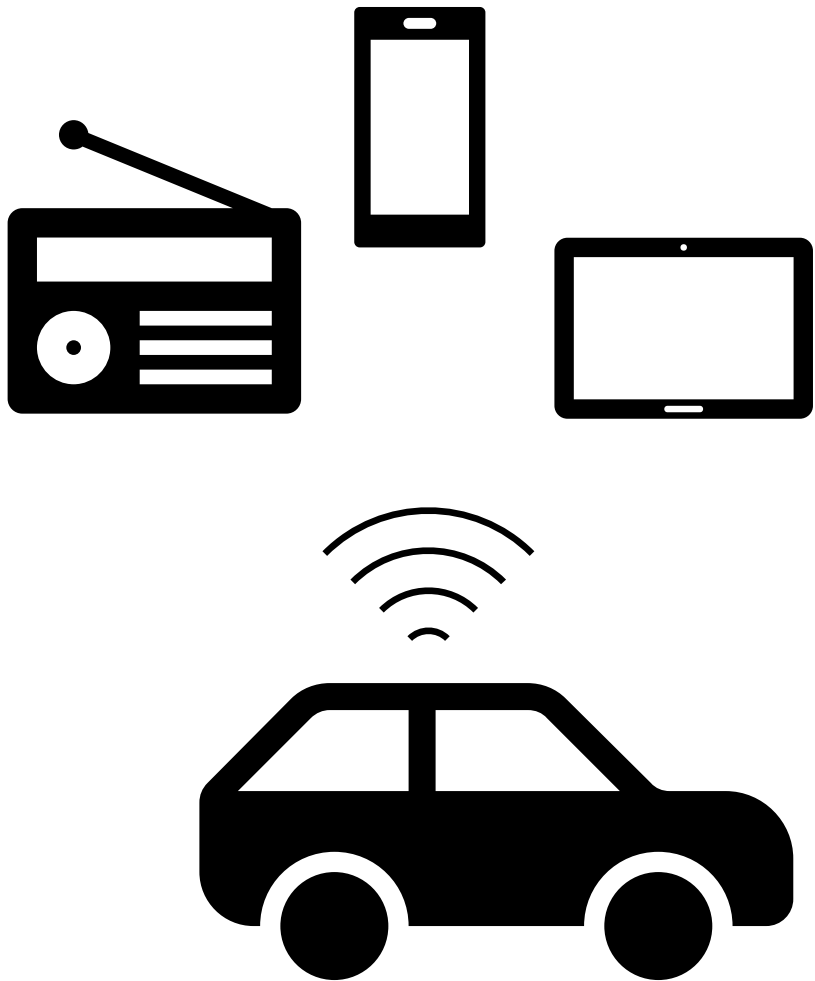
Alerts

Wrong-way Driver



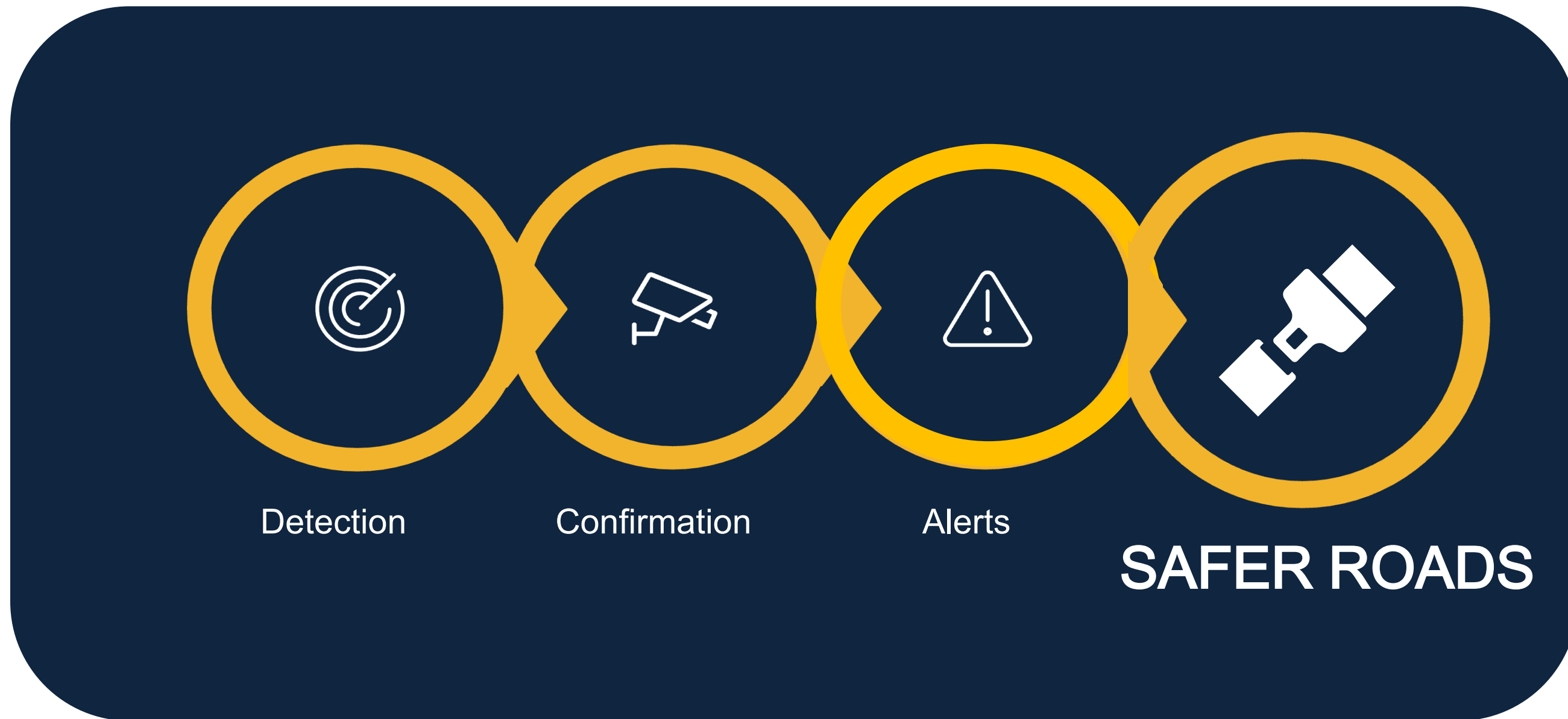


Road Users



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THANK YOU

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