



## AUSTRIAN BEST PRACTICE

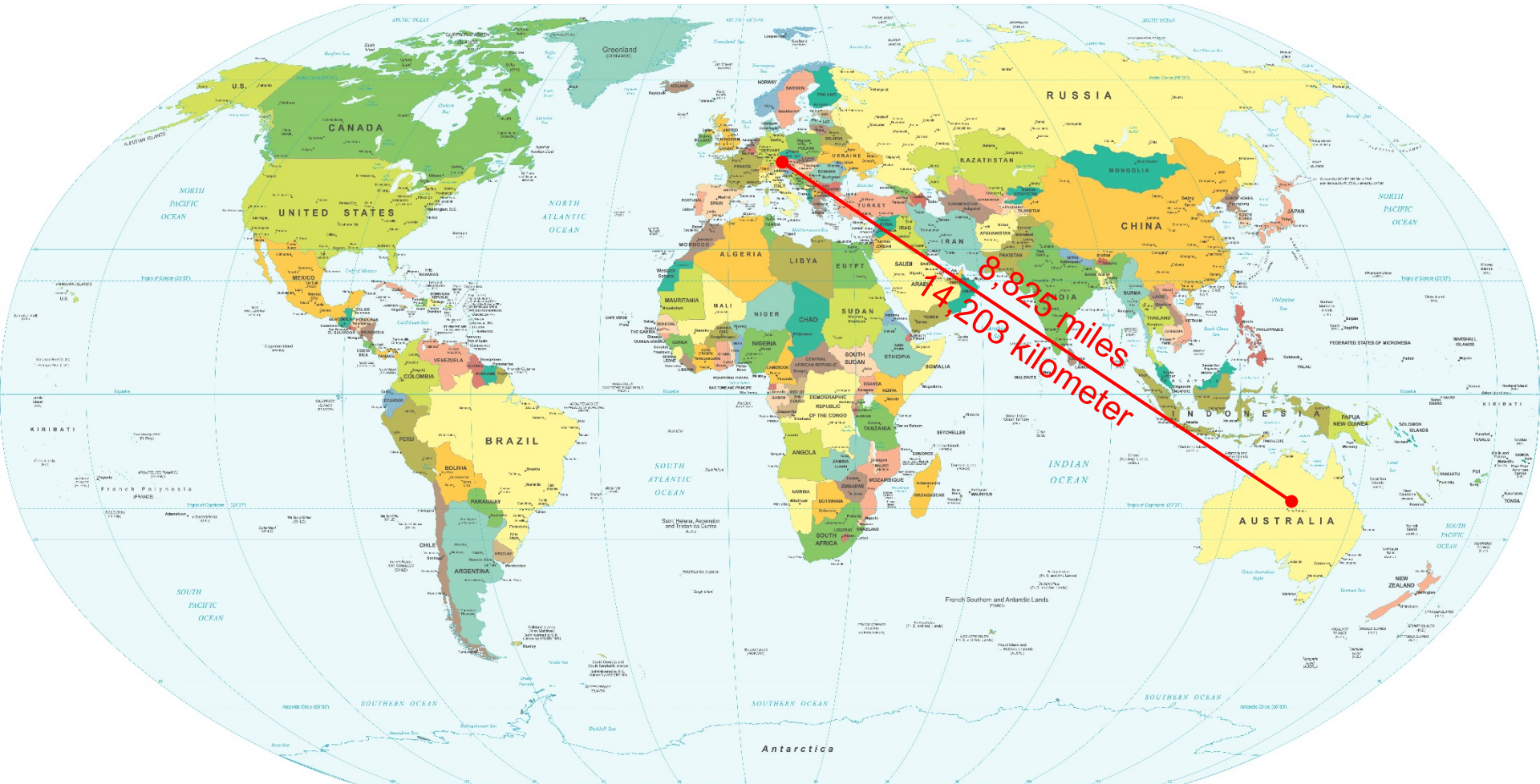
# ASFINAGS WAY TO COLLABORATE WITH PUBLIC ENFORCEMENT ENTITIES TO INCREASE ROAD SAFETY ON ITS NETWORK

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ASFINAG

Newport, 17.5.2016

# Austria ≠ Australia

## What we are talking about – ASFINAG



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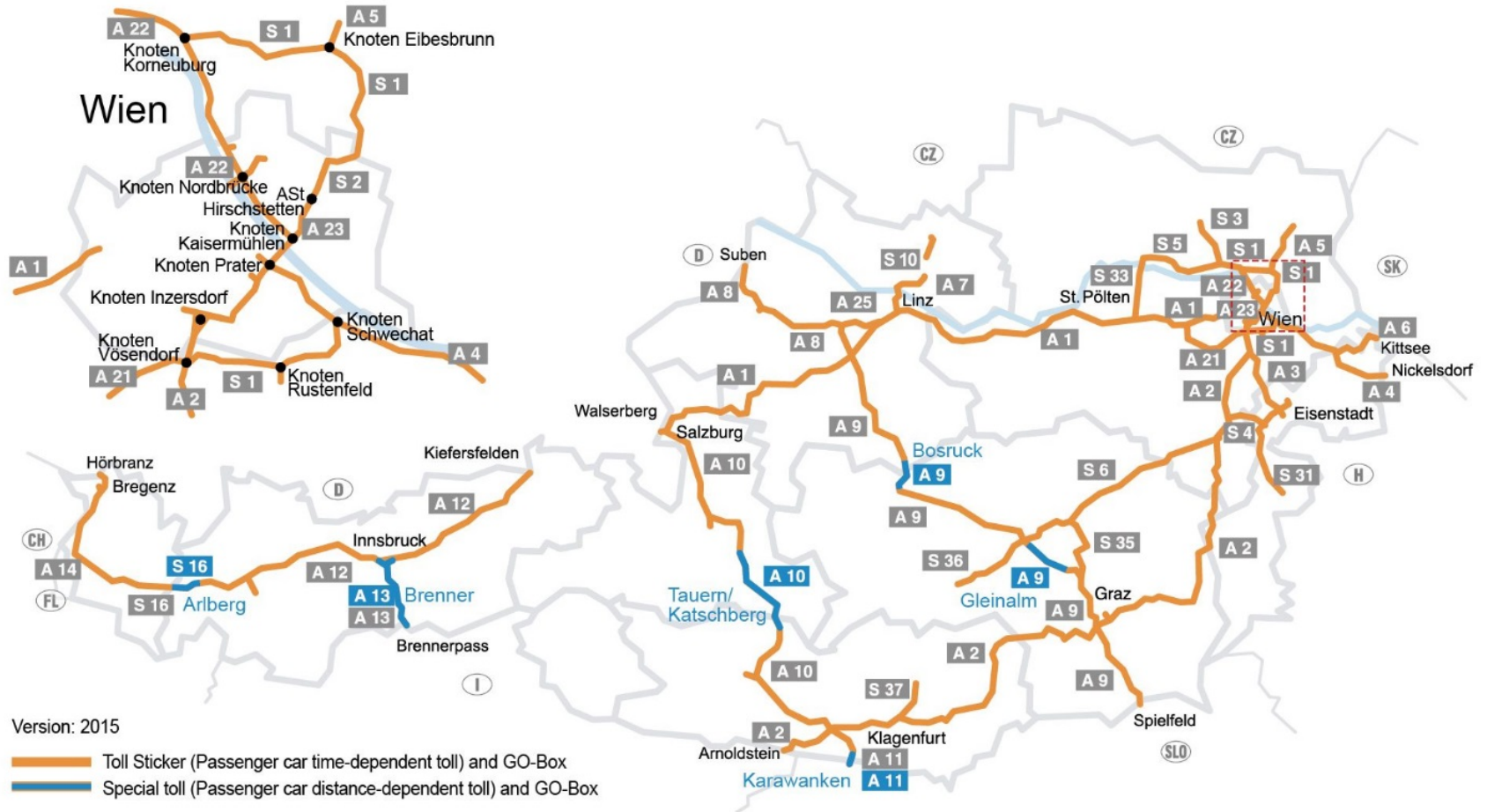


### Austria ≠ Australia

To be fair, their names are only separated by **two little letters**, and it's not only Americans that have trouble with this one.



# Austrian high-level road network





## Agenda for today

- Austrian motorway network & key figures
- Increase of road safety – an ambitious goal
- Legal, procedural and technical ways to cooperate
- Examples of measures in operation
- In general – the secret behind a successful cooperation
- Outlook

## Key Figures

- Length of network: **2,199 km**
- Lane kilometres: approx. **11,600 km**
- Tunnels: **#163 (381 km)**
- Bridges: **5,166**
- Parking facilities: **240**
- Truck parking lots: **6,600**
- Toll revenues: approx. **2.043 Billion USD**
- Infrastructure investments **+/- 1.130 Billion USD**

# Increase of road safety – an ambitious goal



# European trends in road safety



Road fatalities in the EU since 2001



Source: - CARE (EU road accidents database)

<http://ec.europa.eu/roadsafety>

Mobility and Transport

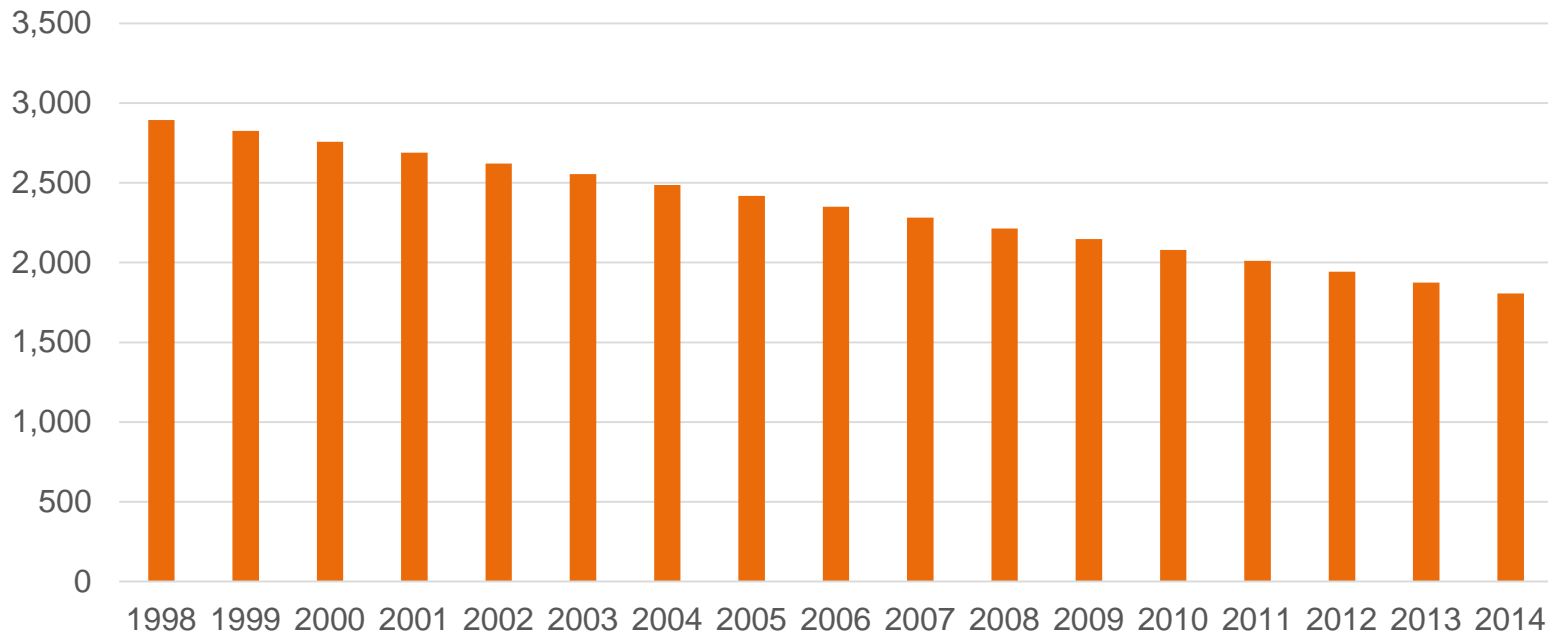


# Austrian trends in road safety

## Accident figures indicate a positive trend

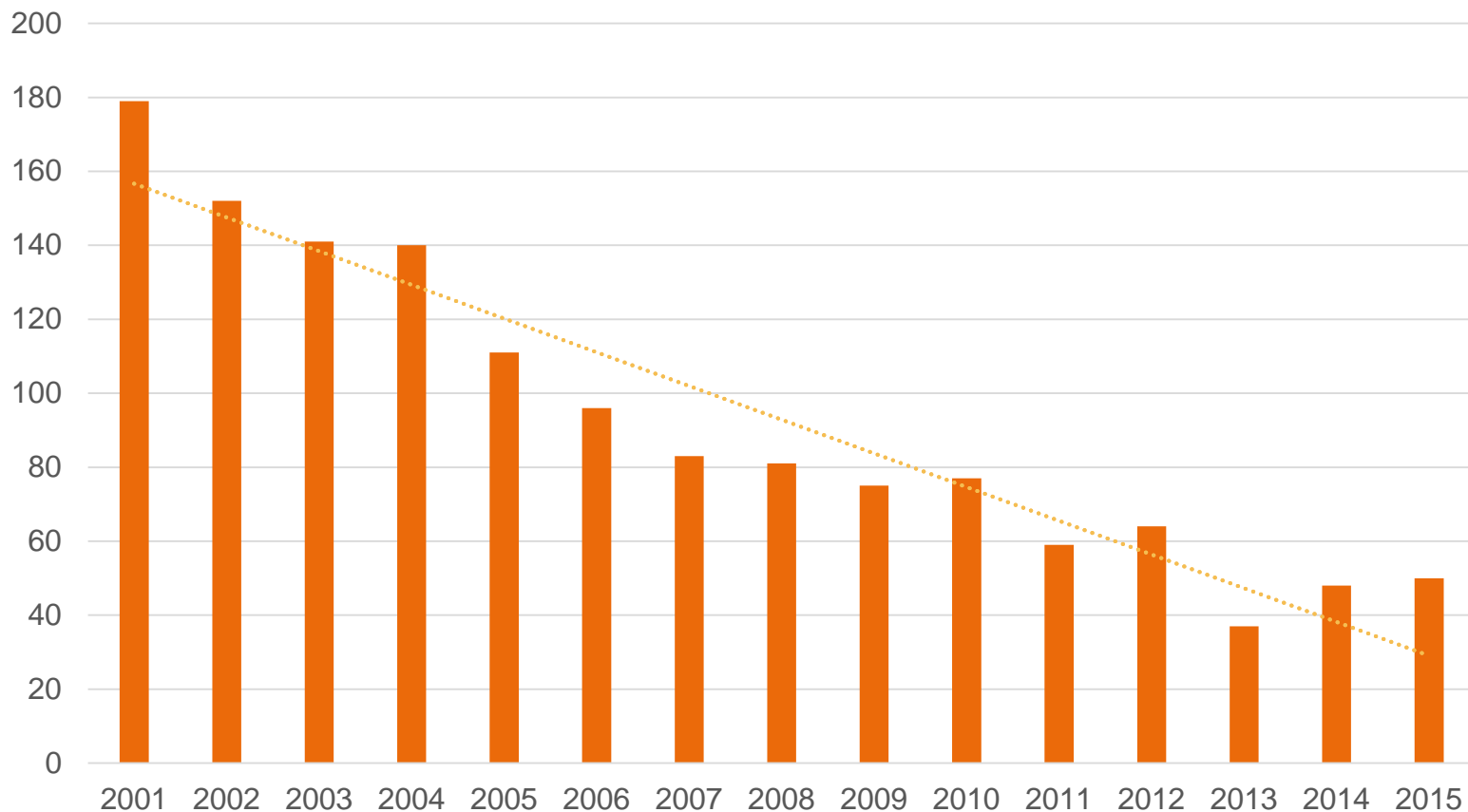
A reduction in the number of road accidents and casualties confirms the positive impact of systematic measures aimed at increasing road safety.

**Accidents involving personal injury**



# Road fatalities on Austrian highways

Road fatalities on Austrian highways



# ASFINAG Road Safety Campaigns

Movie “Don´t fight for sleep”

<https://youtu.be/24YO9jqFq54>



# Main partners involved for enforcement on motorways in Austria



# Enforcement on Austrian motorways

## Legal, procedural and technical cooperation



### Legal / administrative authority

- Regulations and their modalities for enforcement procedures
- Scene of the action
- Fining scheme and fining itself



### Procedural / police

- Enforcement itself, Radar data evaluation
- Random spot checks, Service operation of the measures
- Compilation of penalty reports for the fining authorities

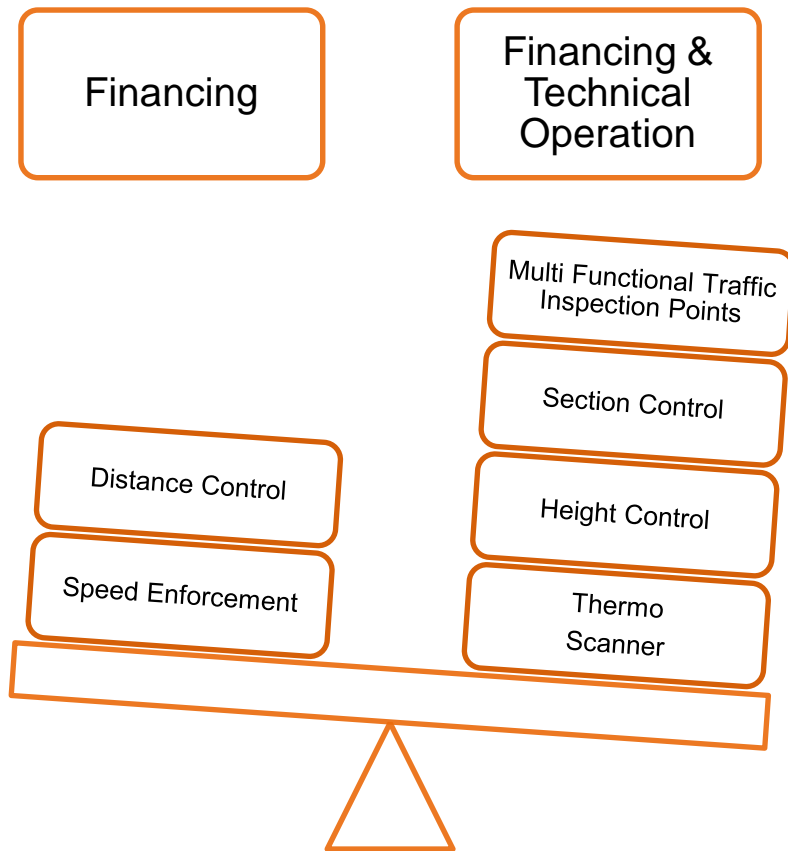


### Technical / road operator

- Deployment and technical operation of the measures
- Technical support of the enforcement measures in operation
- Financial support of the enforcement measures

# ASF|IN|AG enforcement tasks

## Cooperation in practice...

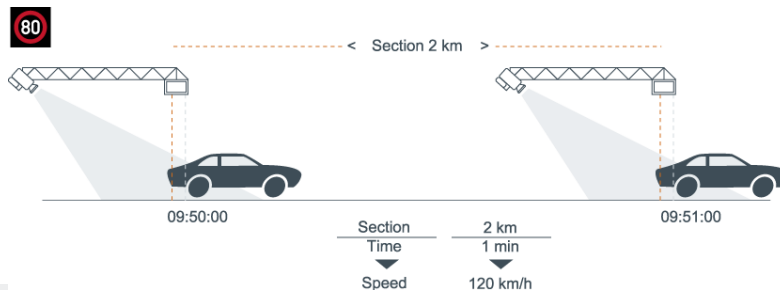


...depends on measures  
...ranges from

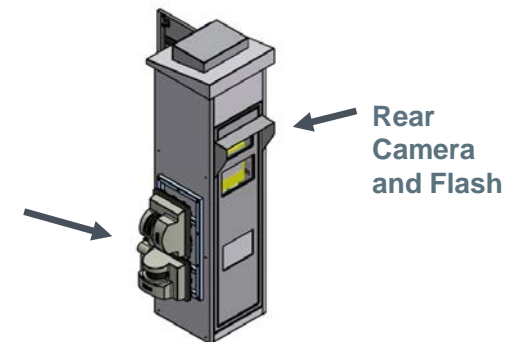
- purely financing of the measures
- technical operation
- until the “doing” of the control itself:
  - Road Side Vehicle Inspection
  - Mobile Truck Weighting and Enforcement Stations for Abnormal Transports

# Speed Enforcement

- **Radar Cameras**
- with rear view or front view photos
- **Section Control (overhead or lateral)**
- in tunnels
- in high risk sections
- on long-term road work areas



**Laserscanner:**  
 - Classification  
 - Fotopoint



# Height Control

- In front of tunnels - mechanical or optical systems

## VORPORTALBEREICH

RVS 09.01.25

Alternativ ist die Ausführung einer mechanischen HK zulässig.  
Die Lage der HK ist den Anhängen 1 und 2 zu entnehmen.

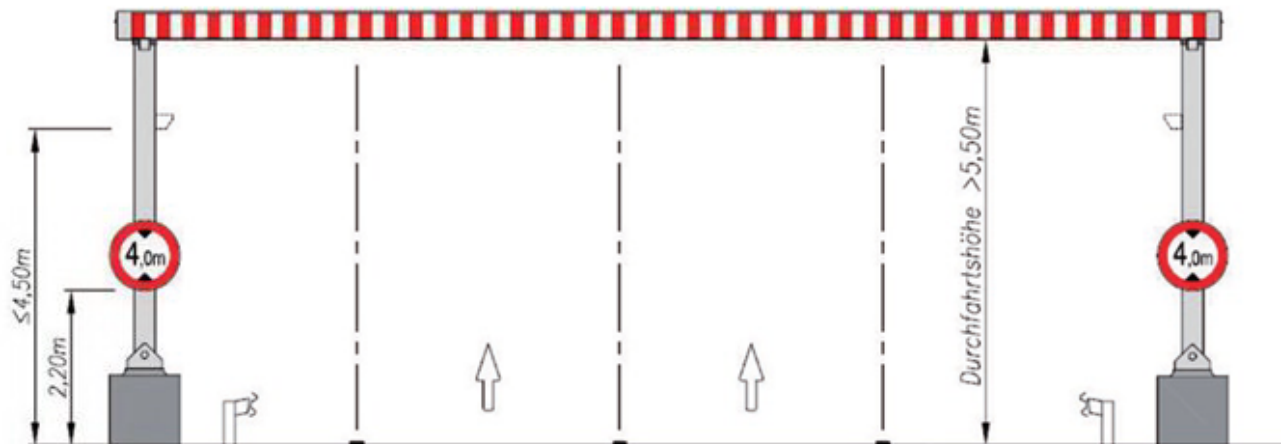


Abbildung 13: Ansicht HK



# Multifunctional traffic inspection points

Enforcement of all laws and regulations related to the road transport sector:

- Motor Vehicle Act enforcement
- Technical on the spot-checks
- Vehicle weight with calibrated scale
- Toll enforcement
- Customs search and customs audit activities (mobile x-ray truck)
- Digital tachograph and rules on driving times, breaks and rest periods



# Driver and Passenger Enforcement



# Condition of vehicle



# weigh - enforcement

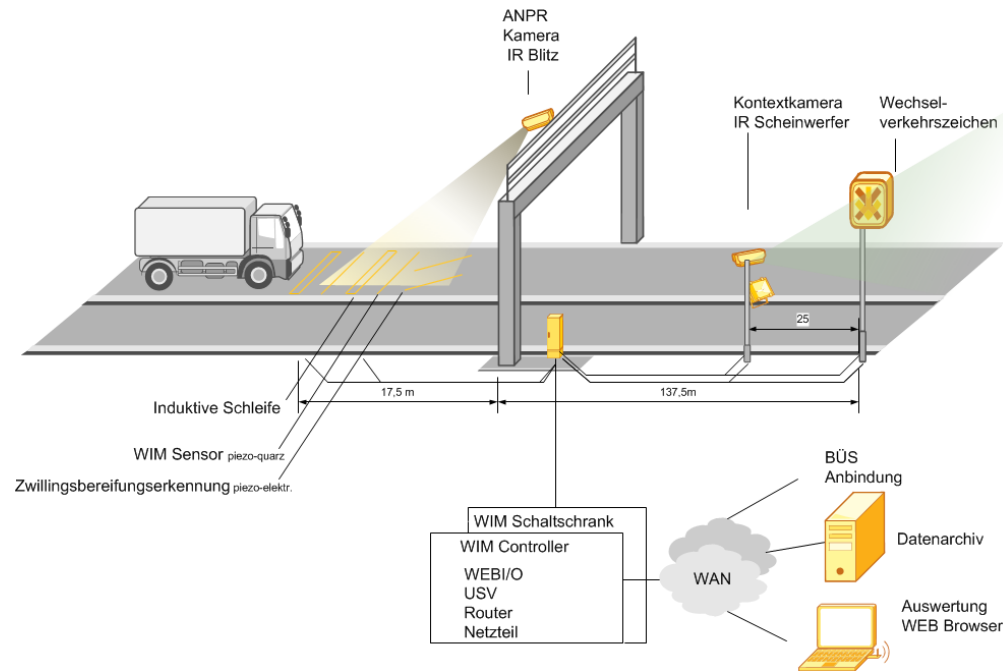
# Weight in Motion (WIM)

## WHY WIM?

As road operator **ASFINAG** wants to

- Reduce maintenance costs and ensure smooth flow of traffic
- Ensure road safety and reduce number of accidents

### System Overview



Datum und Zeit: 25.11.2015 12:39:07 +01:00

Standort: WIM A1

Spur: 1 (ZA-AJ-W1)

Kennzeichen: FR



Fahrzeugtyp (EUR13): 6

Fahrzeugklasse: 7a

Gesamtgewicht: 48414 kg

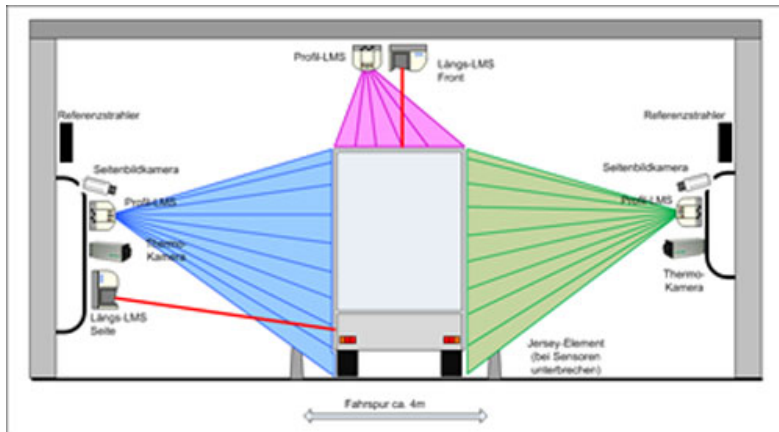
Überladen: Ja

Gesamtgewicht (6 Achsen): 48414 kg, Limit 44000 kg

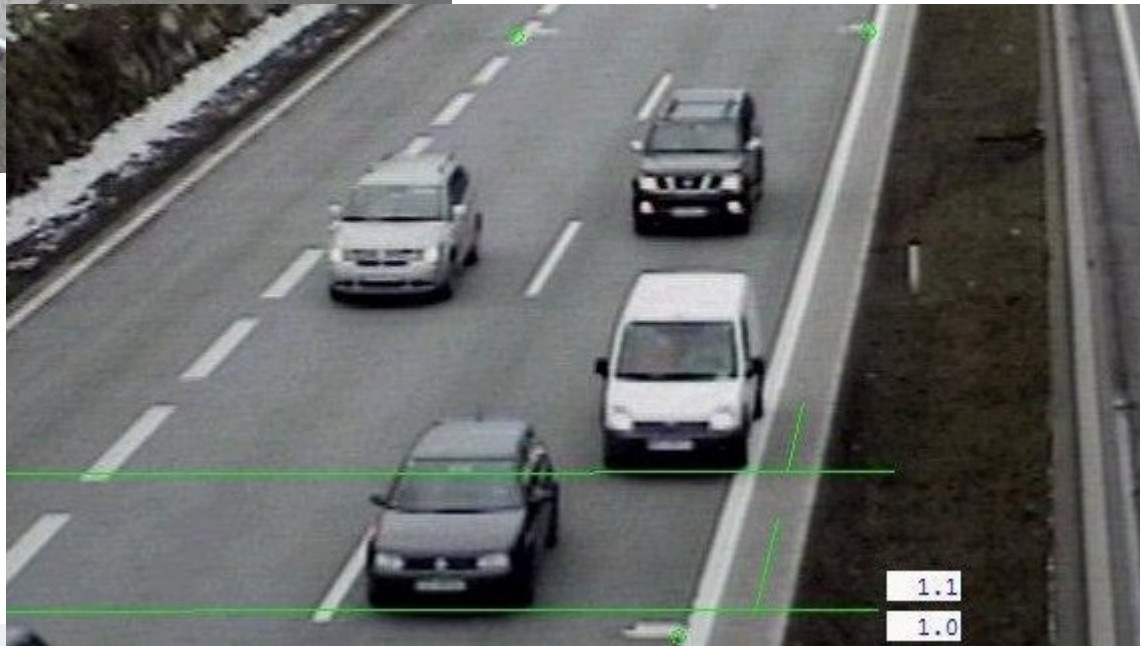


# Thermo Scanner

- Latest invention located in front of long tunnels
- to measure the overheating of vehicles.



# Semi-automated Distance Control



# The future of enforcement

- Multi Lane Free Flow
- Multi Functional
- Multi Sensor
  - Speed
  - Distance
  - Height
  - Thermo
  - Weight



# Roadside vehicle inspection

- A properly maintained and fully functioning vehicle meeting all safety requirements is less likely to be involved in a road accident.
- Roadside vehicle inspection checks cover:
  - Brakes
  - Emissions
  - Vehicle's overall condition.





# The secret behind a successful cooperation

## Major success criteria for good partnership

✓ defined responsibilities



✓ defined communication channels



✓ periodical exchange



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