

# ADAS in Professional Driving

About Loopholes, Attitudes, Knowledge and Training

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# Compusory ADAS 2022

Source: <https://ec.europa.eu/docsroom/documents/34588/attachments/1/translations/en/renditions/native>

- Advanced emergency braking (cars, vans)
- Alcohol interlock installation facilitation (cars, vans, trucks, buses)
- Drowsiness and attentin detection (cars, vans, trucks, buses)
- Distraction recognition / prevention (cars, vans, trucks, buses)
- Event (accident) data recorder (cars, vans, trucks, buses)
- Emergency stop signal (cars, vans, trucks, buses)
- Intelligent speed assistance (cars, vans, trucks, buses)
- Lane keeping assist (cars, vans)
- Reversing camera or detectin system (cars, vans, trucks, buses)
- Tyre pressure monitoring system (vans, trucks, buses)
- Vulnerable road user detection and warning on front and side of vehicle (trucks and buses)
- Vulnerable road user improved direct vision from driver's position (trucks and buses)



# Our Activities

- **Developing and providing two courses for professionals**
  - trucks
  - cars
- **Staff seminars**
- **Interview survey truck company owners**
- **„Road Show“**
  
- **What can be done to get the most out of it?**
- **What we have asked**
- **What we have learned**





# Course „Trucks“

- 2.5 hours
- at their premises
- feedback system „Slidelizard“
- Contents:
  - SAE levels
  - crash record
  - safety impact
  - ADAS functions
  - legal issues
  - employee protection



## Auszug ArbeitnehmerInnenschutzgesetz (ASchG)

### § 3 Abs 1, § 15

- AG müssen AN in allen Arbeitnehmerschutzbelangen informieren und unterweisen

### § 14

- Unterweisung beinhaltet verhaltens- und handlungsbezogene Anweisungen
- Eine Unterweisung muss erfolgen:
  - vor erstmaliger Tätigkeitsaufnahme
  - bei Versetzung oder Änderung des Aufgabenbereichs
  - bei neuen Arbeitsmitteln, Arbeitsstoffen, Arbeitsverfahren
  - nach Unfällen oder Beinaheunfällen
  - wenn dies auf Grund der Arbeitsplatzbeurteilung als notwendig erkannt wurde
- Muss auf den Erfahrungs- und Ausbildungsstand abgestimmt sein



# Staff Seminar

- **~ 150 participants**
- **all regional offices**
- **Focus „Komm gut an“**
- **Iso ... own company cars**
- **explaining about ADAS**
  - can't get in without making yourself familiar
  - getting to know a vehicle is different today
  - vehicles are changing (read owner's manual?)
  - many of the bad stories are urban legend
  - ADAS will make riding safer

# Road Show

- **Brake test with AEB**
- **advertising our website „SmartRider“**
- **augmented reality training tool**

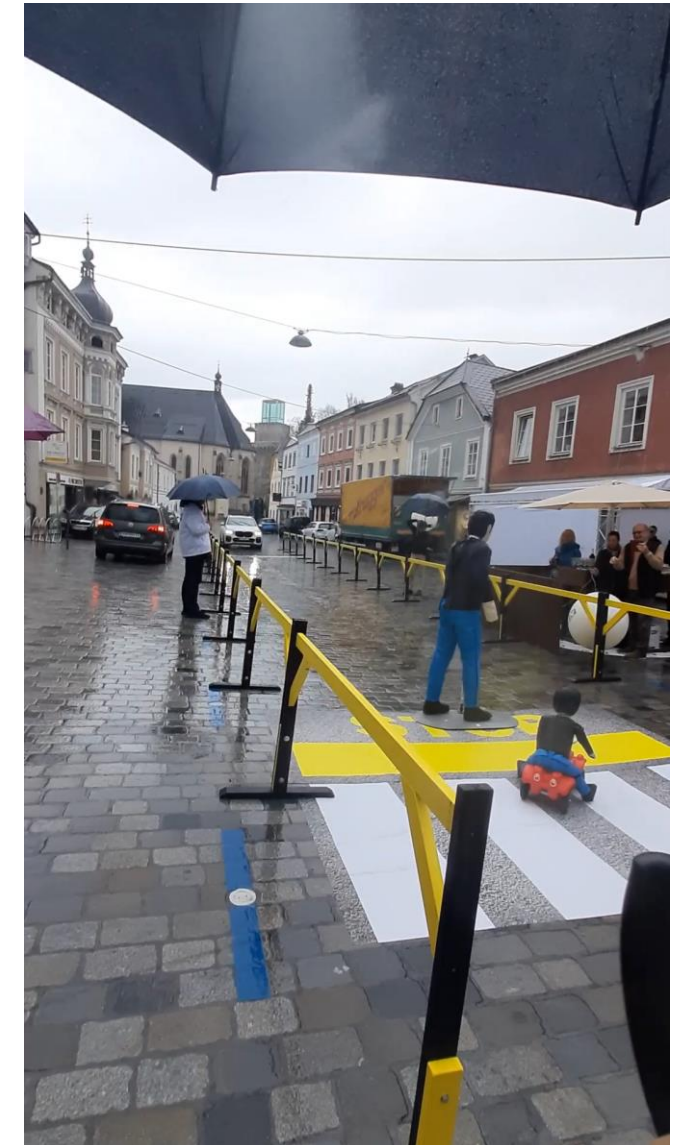
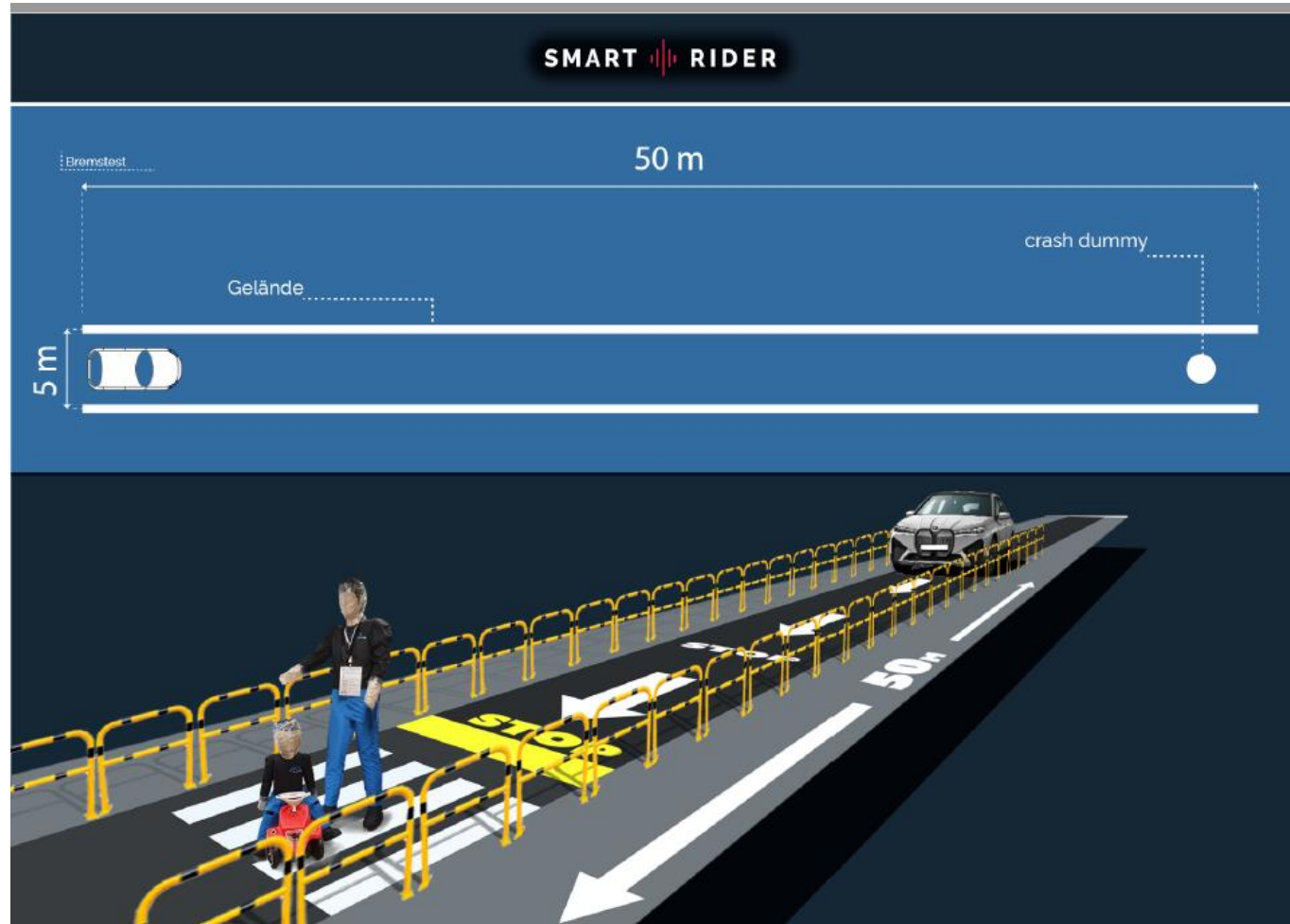




# Driver training using augmented reality



# Road Show – [www.smartrider.at](http://www.smartrider.at)





# Interview survey truck company owners

- **3 Manufacturers**
- **2 journalists / social media experts**
- **Academic expert**
- **Training provider**
- **2 labour union representatives**
- **7 fleet owners**

# Interview survey truck company owners

- **flexibility**
- **language barriers**
- **mandatory retraining (35h/5a)**
- **gossip**
- **internal meetings and training**
- **electronic means**
- **new vehicle training**
  
- **fleet owner competence**

# Interview survey truck company owners

- **lifespan**
- **financing**
- **decision making based on educated guesses**
- **internal workers' representatives**
- **individual requirements**



# Interview survey truck company owners

- **market penetration**
- **mandatory equipment**
- **funding**
- **employer information**
- **employee information**

## **priorities**

- **provide benefit-cost-ratio for ADAS**
- **train the drivers**



# Thanks for listening!

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