

The background of the slide is a nighttime photograph of a road. The top half shows a series of streetlights with a starburst effect against a dark sky. The bottom half shows light trails from cars, with white and yellow trails on the left and red trails on the right, suggesting a long-exposure shot. A dark blue semi-transparent banner is overlaid across the middle of the image, containing the title and subtitle.

ADAS in Professional Driving

About Loopholes, Attitudes, Knowledge and Training

EU-Safety | 2023 06 23 | Martin Winkelbauer

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 Arbeitsplatzevaluierung 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**

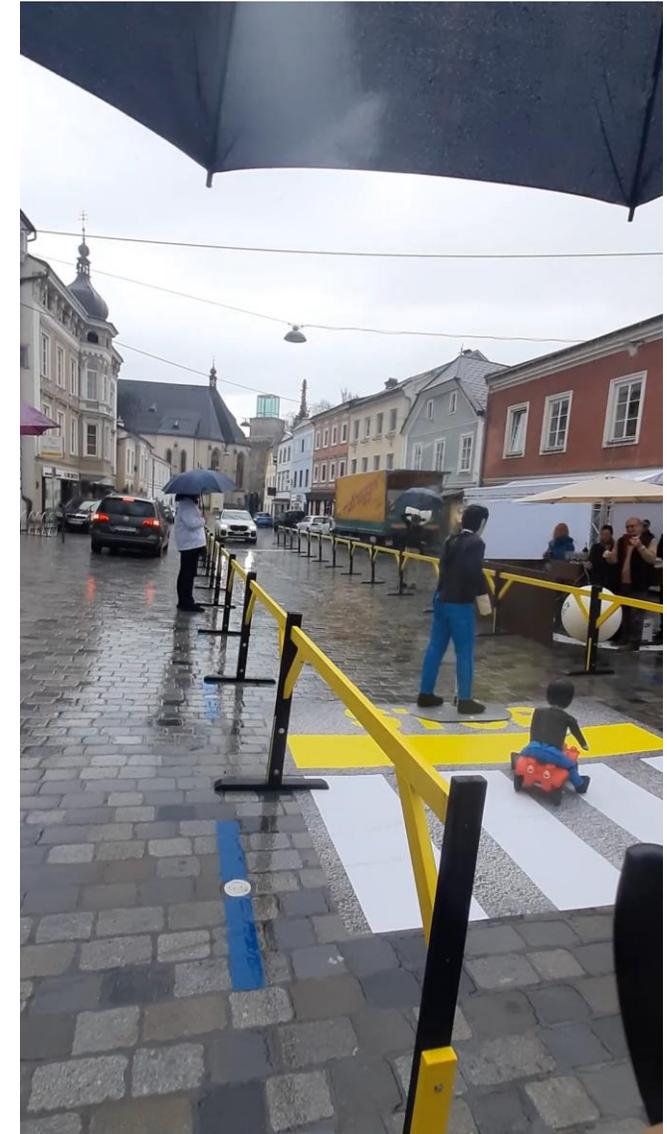
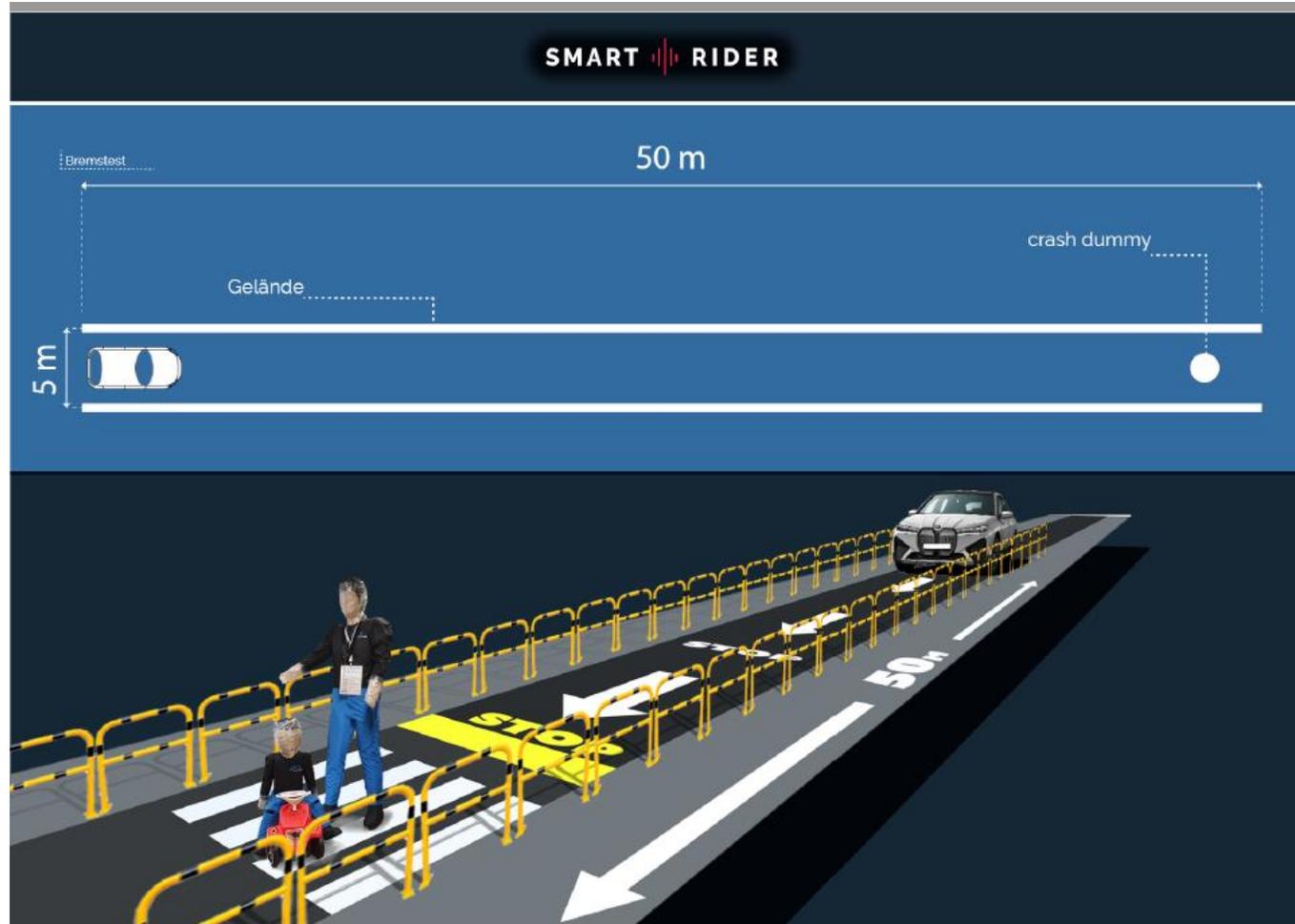


Driver training using augmented reality



KFV/APA-Fotoservice/Neumayr

Road Show – 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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