VIDETEC-2
Erhöhte Verkehrssicherheit mittels Intelligenter Detektionstechnologien

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Reallabore: Von der Forschung in den Alltag

Wuppertal 16.04.2024

Gefördert durch:

Bundesministerium für Digitales und Verkehr

aufgrund eines Beschlusses des Deutschen Bundestages

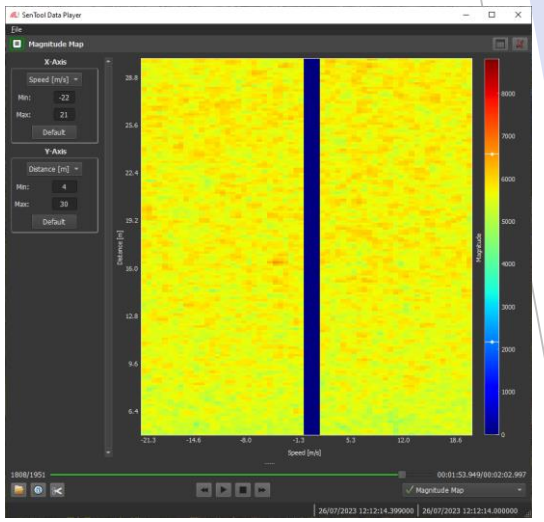

Vision Zero
VRU Protection
360° Awareness
V2X-Communication
Infrastructure-side
Perception
On-board Perception +
ADAS

Infrastructure-side Perception

- Monocular Camera

- RF Sensing Technologies: Micro-Doppler Radar
  Joint Communication & Sensing (JC&S)

Intelligenter Detektionstechnologien

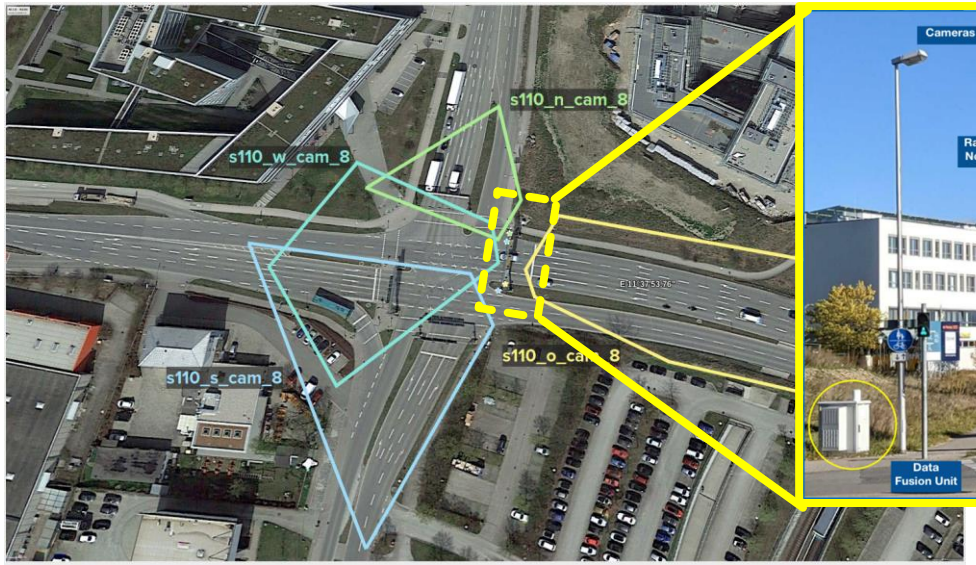


Joint Communication & Sensing (JC&S)

UWB transponder + Raspberry Pi

Providentia++ Test Site

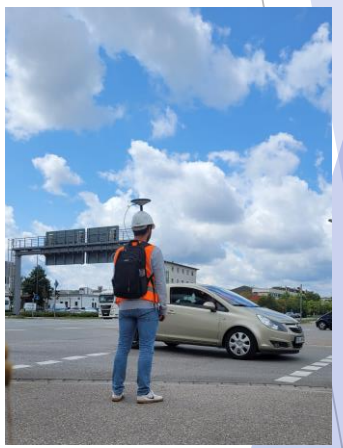
- System Design
- Development & Test
- Validation & Demonstration



- Ground-truth Sensor Systems

2x Lidar

4x Camera



- First experiments
- VRU: pedestrian, cyclicst, e-Scooter crossing the intersection
- 15 Runs in open traffic

Vision Zero
VRU Protection
360° Awareness

V2X-Communication

Infrastructure-side Perception

- Micro-Doppler Radar
- Joint Communication & Sensing (JC&S)

On-board Perception + ADAS

Thank you!

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