



# Managed Automated Driving (MAD)

- Infrastructure-based vehicle automation for urban areas -

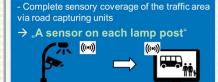
#### **Problems:**

- Complex urban traffic situations
- Limited vehicle view (ODD)
- Economic limits of CCAM (large roll-out)
- Energy consumption, climate impact

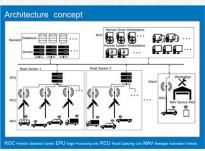


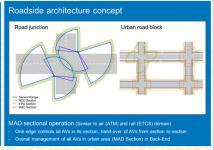
## MAD Concept: MAD is ...

- ... full infrastructure-based automated driving
- ... for all AVs in urban areas (PT, freight, private)









... recommended and necessary transformation:



### **Key Goal:**

MAD - Proof of feasibility

#### **Expected Results:**

- Whitepaper Architecture;
- New Stack for MAD-Vehicles (MAV);
- New Road Capturing Units (RCU);
- Edges; Backends for MAD
- Test and Validation: Proof of safety;











# Consortium:

- DLR German Aerospace Center
  - Institute for Vehicle Concepts, Institute of Transportation Systems
- FZI Forschungszentrum Informatik;
- GFT Integrated Systems GmbH;
- Intel Deutschland GmbH;
- VITRONIC Bildverarbeitungssysteme GmbH;
- MATRIX VISION GmbH