Connected Mobility in Practice

AORTA – Automated Emergency Corridors in Complex Scenarios by Intelligent Connectivity

- Support emergency vehicles in arriving faster and safer
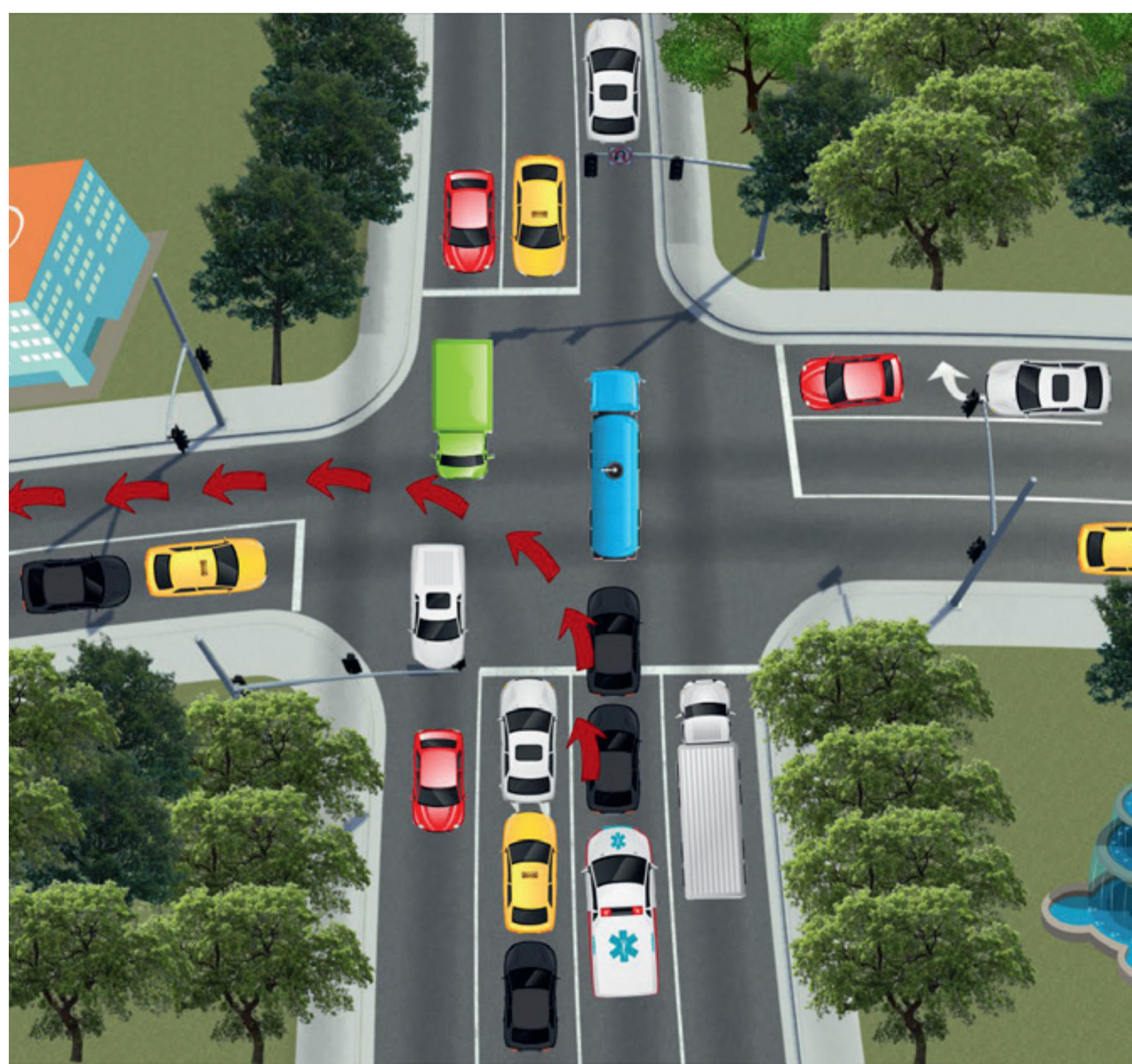- Gain life-saving seconds and minutes, especially in cities

Develop an intelligent platform which implements and links two major decision levels on very different scales:

Macromanagement
- Route planning
- Traffic Control
- Route optimization

Micromanagement
- Alignment with other vehicles
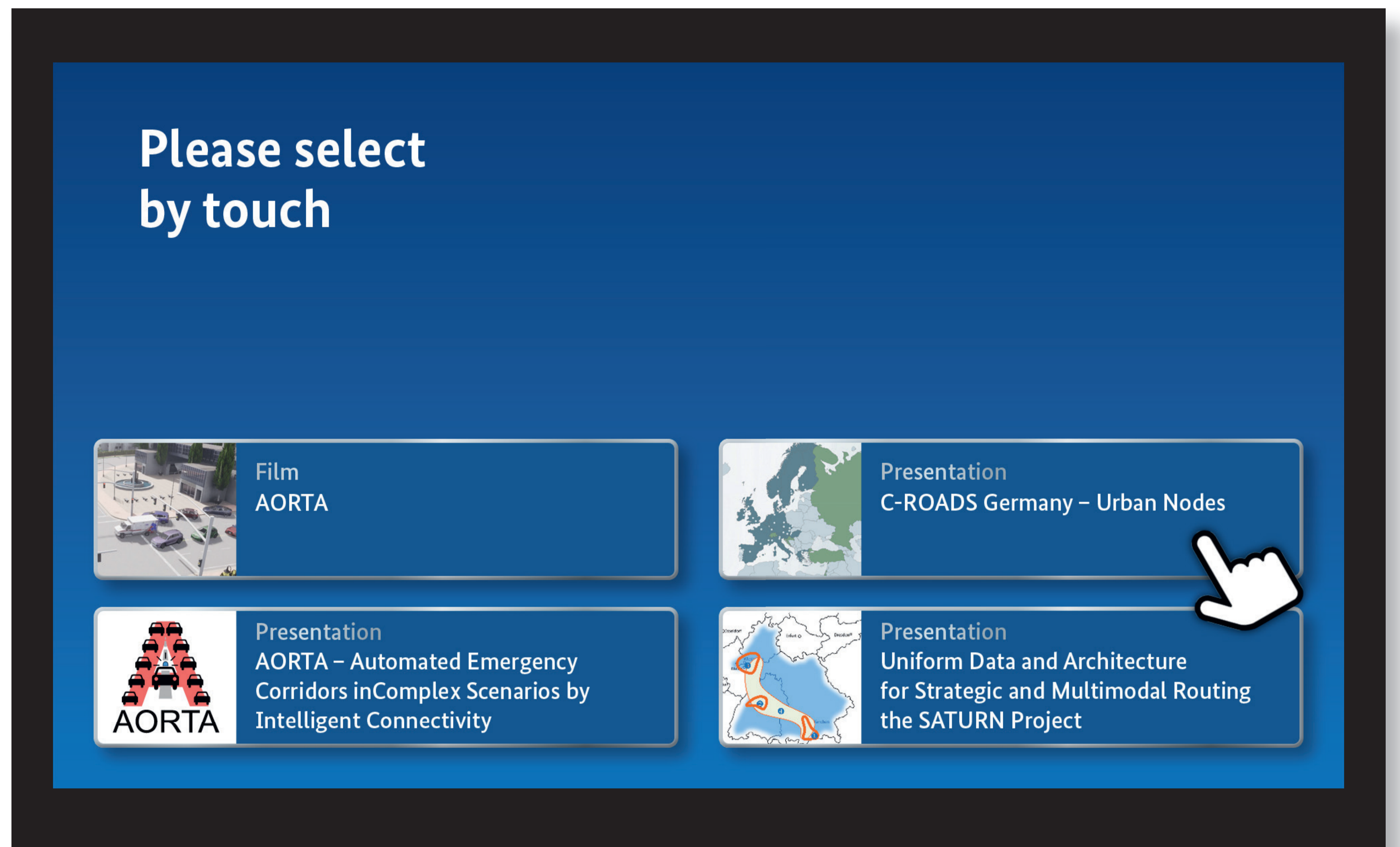- Environmental perception
- Automated driving

Please select by touch

Film **AORTA**	Presentation **C-ROADS Germany – Urban Nodes**
Presentation **AORTA – Automated Emergency Corridors inComplex Scenarios by Intelligent Connectivity**	Presentation **Uniform Data and Architecture for Strategic and Multimodal Routing the SATURN Project**

Further Information →

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C-Roads – Harmonized Deployment of infrastructure-based C-ITS services in Europe

3 out of 43 C-Roads cities in the EU are part of the German pilot project "C-Roads Germany – Urban Nodes": Dresden, Hamburg und Kassel

Establishing a direct communication between the infrastructure side (Road-Side Units) and vehicles (On-Board Units)
- Increasing traffic safety
- Improving traffic flow

Realized Services:
- Probe Vehicle Data
- Road Works Warning
- Green Light Optimal Speed Advisory
- Emergency Vehicle Approaching
- Route Advice, Smart Re-Routing
- Protection of VRUs (Vulnerable Road User)
- Prioritization of public transport and special vehicles

Further Information →

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SATURN – Public-sector traffic management aligned with private-sector information and navigation systems

- New tools for data collection and new data interfaces for the public sector
- Use of traffic management strategies in multimodal travel-information services
- Deployment in both metropolitan and rural areas
- Harmonisation of system architectures and data formats

Pilot areas in Germany:

1. **Oberland - Munich region:** Guiding and routing strategies for touristic travel
2. **Stuttgart region:** Guiding and routing strategies for event travel
3. **Frankfurt Rhine/Main region:** Guiding and routing strategies for commuter travel
4. **Cross-state level:** Guiding and routing strategies between Baden-Württemberg, Hesse and Bavaria

Further Information →

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bast Federal Highway Research Institute