

Delegation visit

November 29 – December 1, 2022

New mobility solutions in Baden-Württemberg



State Agency for New Mobility Solutions
and Automotive Baden-Württemberg

- **founded in 2010 by the State of Baden-Württemberg**
- **100% publicly financed, Baden-Württemberg is our only shareholder**
- **contact point in Baden-Württemberg for all matters relating to the mobility transition**
- **new mobility technologies - from industrialisation and market launch all the way to application**
- **strengthen and promote Baden-Württemberg as business and technology location for new mobility solutions**
- **cooperation with companies, start-ups, research institutions, municipalities and politics**

Initiatives of e-mobil BW



State Agency for New Mobility Solutions
and Automotive Baden-Württemberg



Our members

Strong partners for the industrialization of electric mobility

195 members

from the mobility environment in Baden-Württemberg



Network connecting business, science and the public sector

R&D projects for the industrialization of electric mobility

Knowledge transfer with seminars and studies

Internationalization through projects, match-making and delegation trips

Find our members: [competence guide](#)

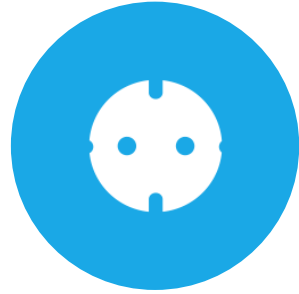
Innovations in four strategic sectors

"The Cluster Electric Mobility South-West represents innovative, electric and digital mobility solutions for the future."



Vehicle

- modular & autonomous vehicle concepts
- innovative thermal management solutions
- diagnostics & maintenance
- battery, e-motor



Energy

- bidirectional charging
- innovative energy systems
- charging infrastructure



ICT

- new mobility concepts & intermodality
- digitalisation in vehicles and infrastructure
- cyber security



Production

- increasing efficiency in manufacturing
- design and production concepts
- circular economy & recycling

knowledge transfer

training and continuing education

internationalisation

Draft programme

■ November 29 – Visit 1: Stuttgart

1) Welcome of delegation

- Overview of the automotive sector in Baden-Württemberg & “business culture” in Germany

2) Chose location option 1 or option 2 for visit

Option 1: [Fraunhofer IAO – Mobility Lab](#)

Option 2: [Arena 2036](#)

Option 3: DLR project “[U-shift](#)”/autonomous shuttle

3) Meet our cluster members

- cluster member meeting, pitches, networking

■ November 30 – [Automotive Suppliers' Day Baden-Württemberg](#) in Esslingen

conference (English) & “matching-fair”



- [programme](#)

■ December 1 – Visit 2: Karlsruhe

Option 4: [Test area autonomous driving Baden-Württemberg](#)

Option 5: [KIT Campus Ost Testing Environment](#)

Option 6: [FZI- House of Living Labs \(HOLL\)](#)

→ chose 2 options

Options for visit

Option 1: [Fraunhofer IAO – Mobility Lab](#)

The Mobility Innovation Lab combines different research areas to gain a holistic understanding of tomorrow's mobility systems. A key focus in the field of electromobility is the **design of micromobility solutions** and their integration in intermodal journeys.

In **automated driving**, solutions are being developed for the interaction between self-driving vehicles with conventional road users in mixed urban traffic.

These solutions can **be tested in a virtual reality** environment and demonstrated using prototypes built in the rapid prototyping process.

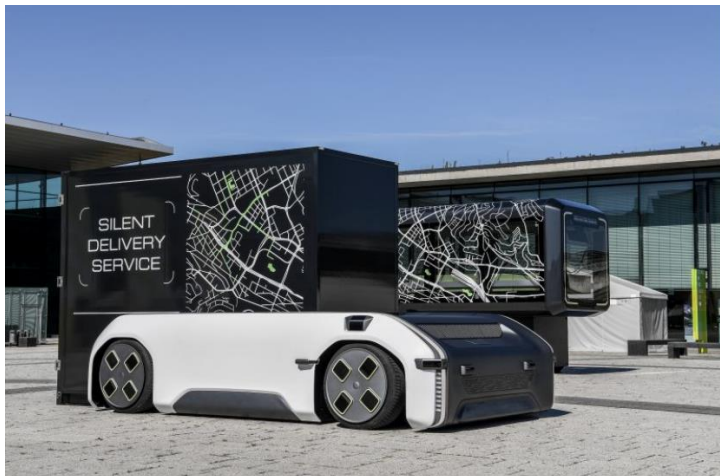
Option 2: [Arena 2036](#)

ARENA2036 stands for „**A**ctive **R**esearch **E**nvironment for the **N**ext generation of **A**utomobiles” and is one of nine research campi of the funding initiative "[Research Campus – Public-Private Partnership for Innovations](#)" in Germany. ARENA2036 is supported by the [Federal Ministry of Education and Research](#) (BMBF) and is run as a registered association with members from science and industry. Our partners are active in various disciplines – from the automotive industry, aerospace technology, textile and materials research to industrial science.

Options for visit

Option 3: DLR project “[U-shift](#)”/autonomous shuttle

Modular, autonomous vehicle concept of the future
The aim of the **autonomous, driverless and electric vehicle project** is to enable a new type of modularity and thus also new intermodality, new products and business models by separating the driving module and the transport capsule.



Option 4: [Test area autonomous driving Baden-Württemberg](#)

The Test Area Autonomous Driving Baden-Württemberg (TAF BW) is like a laboratory with everyday road traffic scenarios where applications of connected and autonomous driving can be tested. Companies and research institutions can use it to test future-oriented technologies and services under everyday conditions.

Options for visit

Option 5: [KIT Campus Ost Testing Environment](#)

Against the background of climate change and congested urban traffic, KIT FAST is establishing knowledge, methods, and solutions at four levels: the **vehicle as a digital mechatronic system, the interaction of people and vehicles, the vehicle in traffic and infrastructure, and the vehicle in society and the environment.**

Our basis – outstanding equipment:

- Test benches for complete vehicles and components
- Hall with lifting platforms & workshops for vehicle preparation
- Test vehicles & various driving test areas on site
- Extensive competences and equipment for analytical and numerical modelling and simulation as well as control and optimisation methods.

Option 6: [FZI- House of Living Labs](#) (HOLL)

FZI House of Living Labs supports application-oriented research, evaluation and development through state-of-the-art technical equipment with mobile and stationary information and communication technology, as well as vehicles, various devices and building technology.

Contact

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