Delegation visit

November 29 – December 1, 2022
New mobility solutions in 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

www.e-mobilbw.de
Intiatives of e-mobil BW

State Agency for New Mobility Solutions and Automotive Baden-Württemberg

electric mobility south-west
cluster fuel cell BW
transformations wissen BW

Plattform H2BW
strategiedialog automobilwirtschaft BW
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, matchmaking 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 |
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”

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
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 „Active Research Environment for the Next generation of Automobiles” 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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