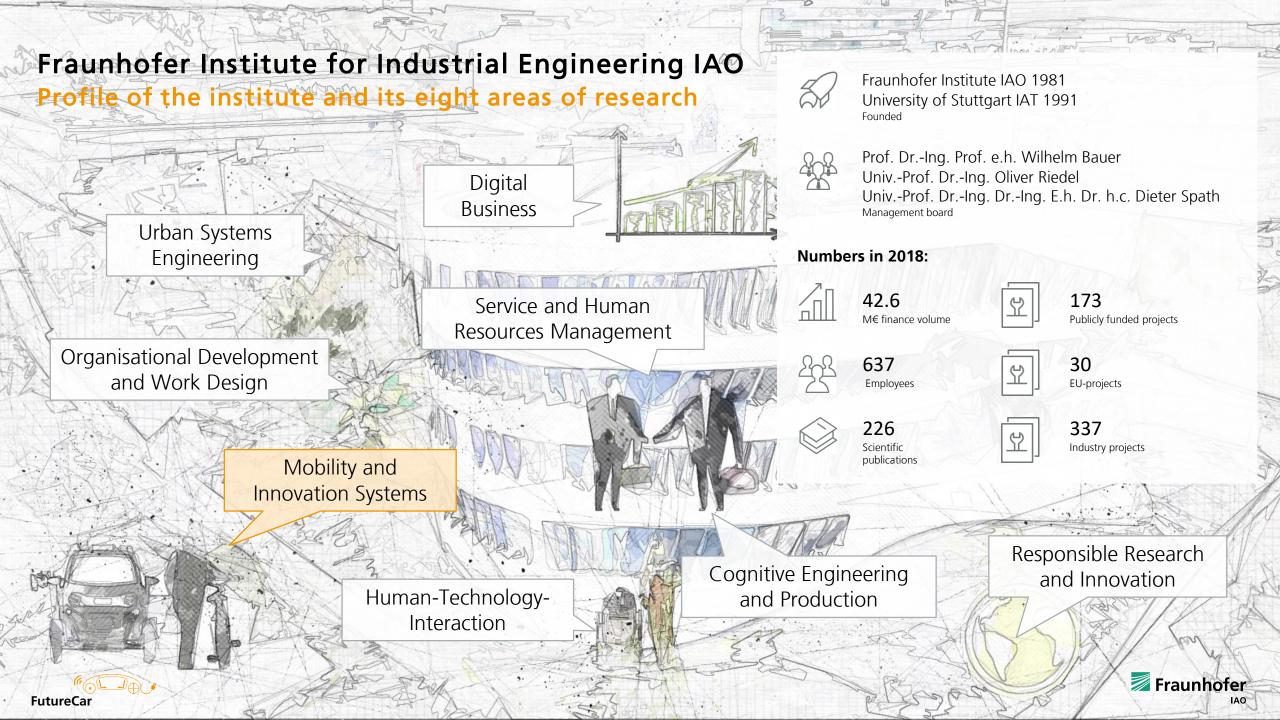
Innovation Network FutureCar

2020-2021 - Phase VI:

»Vehicle Technologies and Trends within the Transformation of Future Mobility«

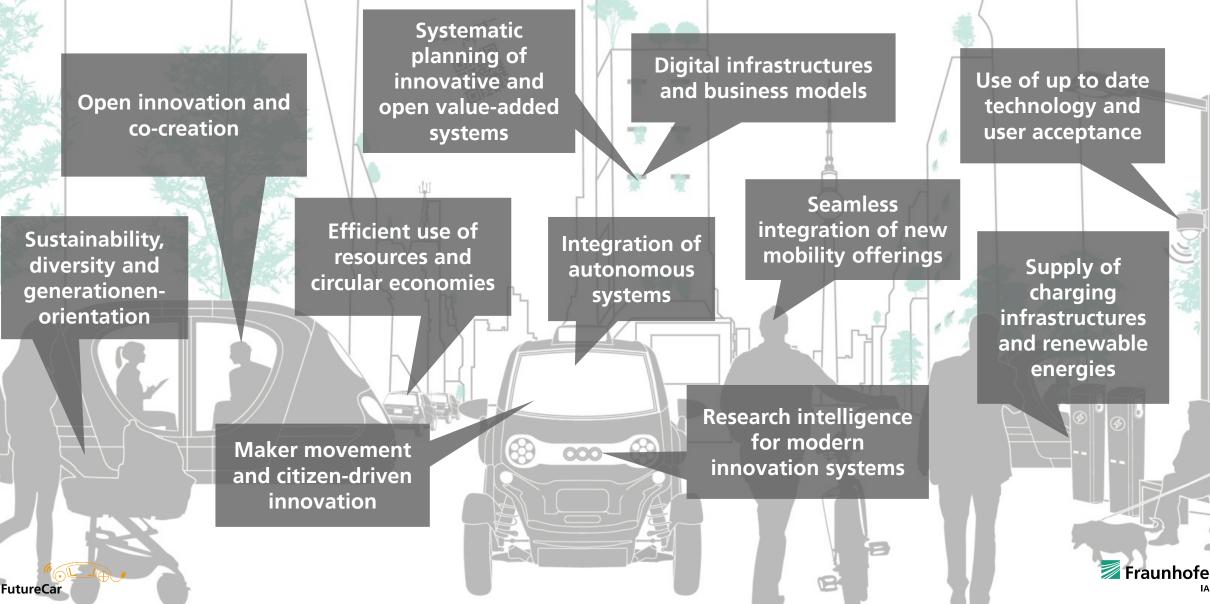






Fraunhofer IAO - Mobility and Innovation Systems

Our knowledge can help you to solve the challenges of shaping the mobility of tomorrow



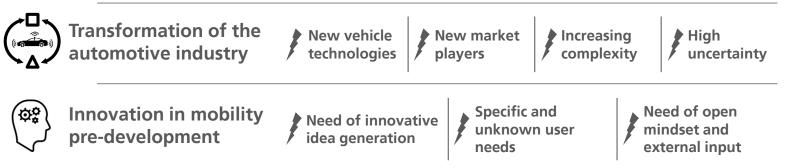


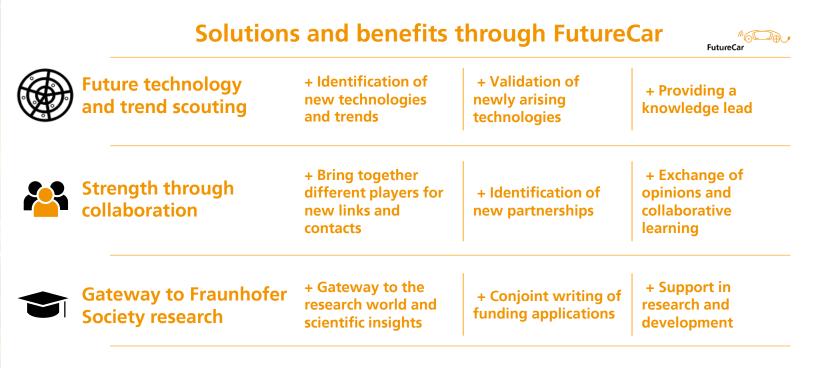
FutureCar

In a nutshell: The Innovation Network FutureCar A platform for joint and pre-competitive research on automotive technologies and trends

- Support in understanding and solving the challenges of a transforming automotive industry
- Organisation and content by
 Fraunhofer and invited experts
- Three conferences per year plus additional services
- 2 year membership contract
- € 20 K membership fee p.a.¹







💹 Fraunhofer

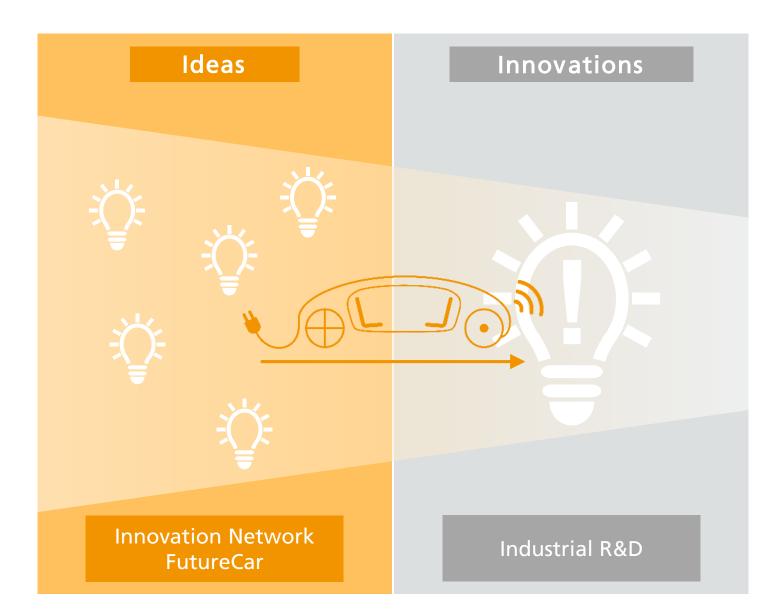
< <250 employees and either revenue < € 50 M p.a. or balance sheet < € 43 M p.a. (Art. 2 des Anhangs zur Empfehlung 2003/361/EG)



FutureCar

Innovation Network FutureCar A platform for joint research and precompetitive dialogue

- Discussion of topics and ideas which are ahead of corporate R&D programs
- Open exchange of opinions leading to a common understanding of early stage technologies
- Meeting platform for like-minded innovators on a multidisciplinary and cross-company basis





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FutureCar

FutureCar Phase VI »Vehicle Technologies and

Trends within the **Transformation of Future Mobility«**

- Major transformation of established mobility systems
- Future vehicles are highly influenced by the »CAE« technological drivers
- Global trends, new mobility concepts and changing markets are shaping this transformation
- Success in future automotive business requires this holistic understanding of change

Transformation of Future Mobility **Autonomous Driving Connected Cars E-Mobility** Vehicle **Technologies** Market Trends segments.

Global Trends

In digitization, urbanization, demography, sustainability, and individuality we see a global transition and change of mindset that will affect our understanding of mobility.

Mobility Trends

With micro- and urban air mobility, shared rides and other mobility services, cars will no longer be the only means of individual transportation.

New and developing markets, urban vs. rural mobility, shared vs. private usage, passenger vs. goods transportation: all these aspects will affect future vehicle





Global Trends

Social movements and worldwide challenges will affect future mobility on a global scale



Mobility Trends

New means of transportation and services will revolutionize today's mobility understanding



Market Trends

Shifting market demands will require customized mobility solutions



Sharing Economy



Shared Mobility











Connected Cars Connectivity and databased services will enable the transformation towards fully digitized vehicles of the future



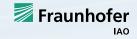
Autonomous Driving Increasing automation will change future vehicles as well as the entire mobility ecosystem







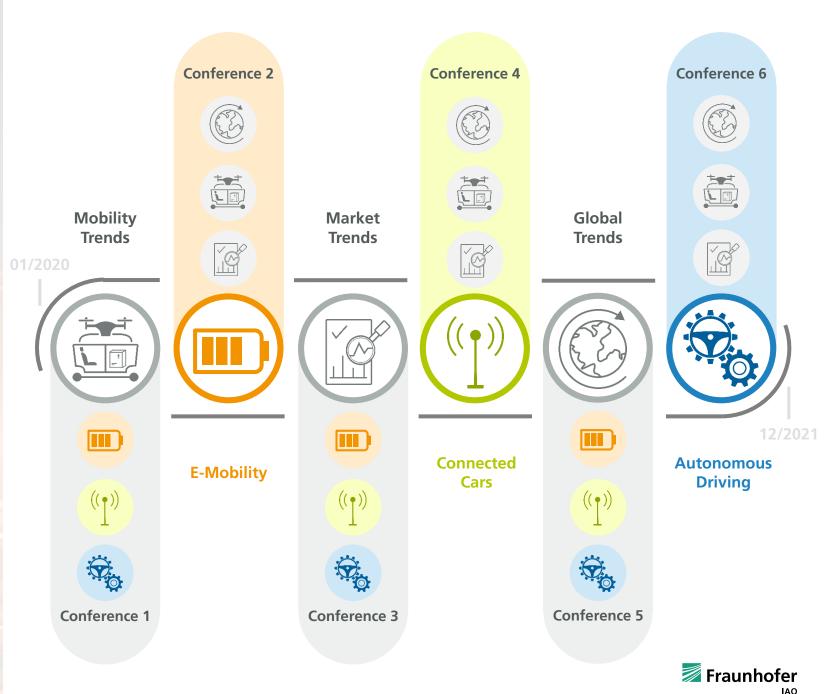




FutureCar Phase VI

Dedicated conferences on vehicle technologies and trends within the transformation of future mobility

- Six two-day network conferences are core elements of the Innovation Network FutureCar Phase VI
- Concentrating on one main topic and three side topics per conference. All technological drivers are addressed and discussed four times on different levels.



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FutureCar

Network conferences

Two-day conferences in changing locations with a versatile program are core elements of the FutureCar Innovation Network

- The broad program provides insights in different company and research labs for a crosscompany exchange.
- During the conferences there is time for in-depth discussions and networking.



Guided Tours



- We visit and **experience** R&D centers, labs, and creative workspaces.
- E-Drives Lab, Fraunhofer NAS
- Faurecia R&D Center, Hagenbach
- Floatility MakerSpace, Hamburg
- BMZ Battery Plant, Hanau
- e.GO Prototype Factory, Aachen
- Mobility Innovation Lab, Fraunhofer IAO

Examples from last network Phase V in 2018/2019

Presentations



Speaker session at INC Aachen



- We present and discuss current and relevant network topics.
- Presentations by IAO as impulses and discussion starters
- Presentation of research findings by other Fraunhofer Institutes
- Presentation of innovations by industry partners and external speakers
- StartUp pitches by selected automotive entrepreneurs

Workshops



Design workshop "Creating trust in autonomous vehicles"

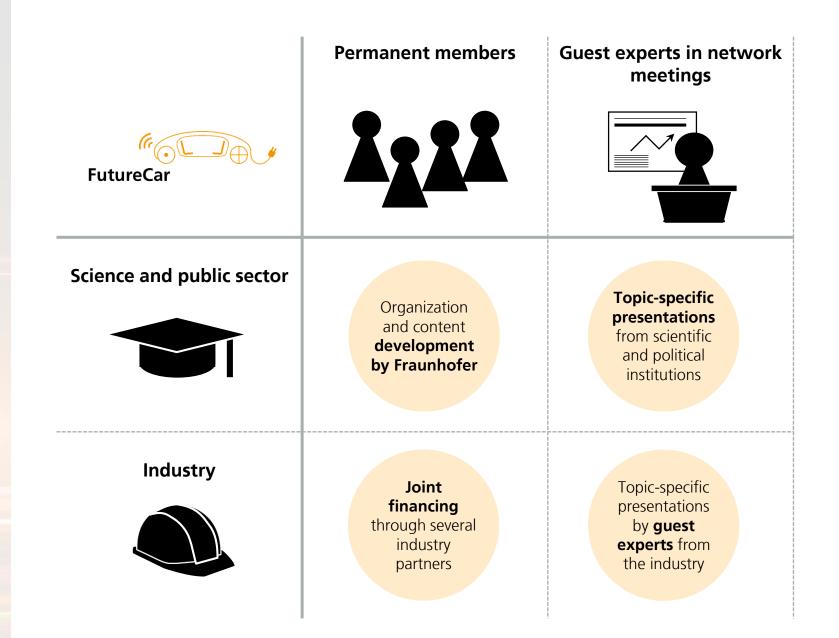


- We conjointly work in group and creativity workshops.
- Brainstorming of new project ideas
- Elaboration of project proposals
- Discussion of current issues in automotive industry
- Collaborative development of future network topics and fields of interest



Partners and network Members from industry and research meet external guest experts

- The FutureCar network brings together different players and experts in the fields of future automotive technologies and mobility trends.
- The permanent network members benefit from all provided contents, the additional services as well as the gateway and early stage access to cutting-edge research.





FutureCar

Additional services Support and additional information on a regular basis

- Innovation Networks base on collaboration and constant exchange of ideas about new technologies and their potentials
- Knowledge transfer through regular updates on the automotive industry and latest technology trends as well as interesting funding programs
- Additional meetings throughout the phase VI for content related networking opportunities

Forum FutureCar:

- Annual, public conference on a future mobility topic
- Free of charge for FutureCar members

 FutureCar Newsletter:
 Monthly news covering the six pillars of E-Mobility, Connected Cars, and Autonomous Driving as

- well as Global Trends, Market Trends, and Mobility Trends
- Additional updates from industry and research

Funding Program Screening:

Förderdaten

Förderprogramme und Fin des Bundes, der Länder und

- Quarterly update on relevant funding programs for public project applications in FutureCar topics
- Support in consortia finding and application process

Special Meetings:

- TechDays, ThinkTanks, and RoundTables covering specifc focus topics
- In-depth discussion and information during one day meetings



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Terms and conditions

Two-year contract for a company-wide membership including six conferences and additional services

- FutureCar is collectively financed by all members and organized by Fraunhofer IAO
- Membership includes the attendance at all three conferences per year, including subsequent minutes, workshop results and presentations shared by the speakers
- Additional services during the whole network term and access to the Fraunhofer Society's entire research community

Network Term Two-year contract, 01/2020 - 12/2021 **Network Schedule** Three two-day conferences per year (~March, July, October) percific cris ing no evil . anocent perso cence n. --in'ne n-noc-u-ous (i prec.] 1 harmle sial or offensi adv. -in.noc'ı in.no.va.tion in-, in + nor f introduc[;] **Membership Fee** EURO ■ € 20 K p.a. ■ € 10 K p.a. with SME¹ discount

 1 < 250 employees and either revenue < € 50 M p.a. or balance sheet < € 43 M p.a. (Art. 2 des Anhangs zur Empfehlung 2003/361/EG)



- Company-wide membership, not limited to specific groups or business units
- Four attendees max. per conference (exceptions possible)

Network Language:

- Slides and newsletter: English
- Communication: German (and English if necessary)







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