

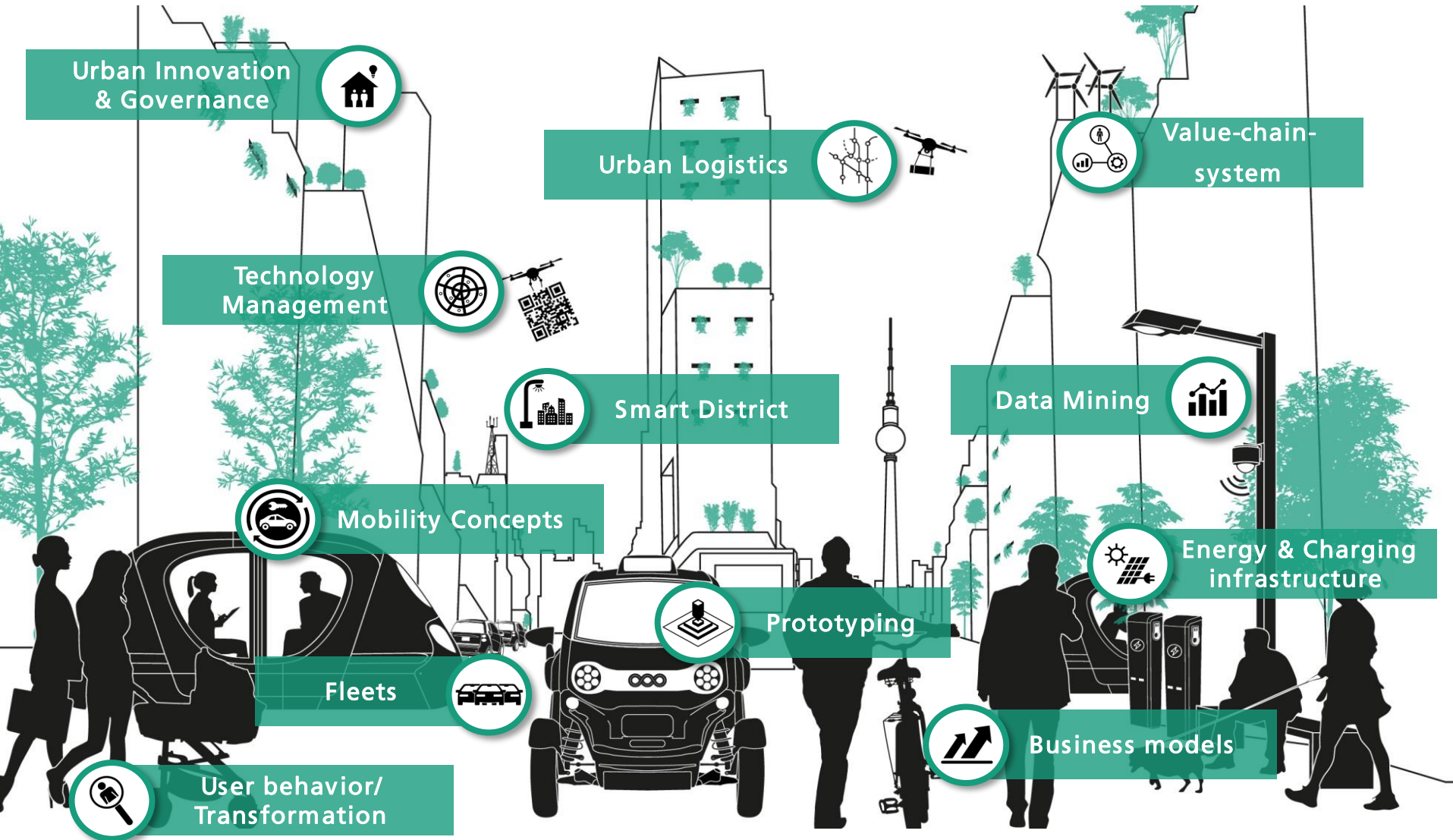
Fraunhofer IAO

Mobility and Urban Systems Engineering:
Introduction of Innovation Network FutureCar

Stuttgart, February 2018

Mobility and Urban Systems Engineering

Research and application fields

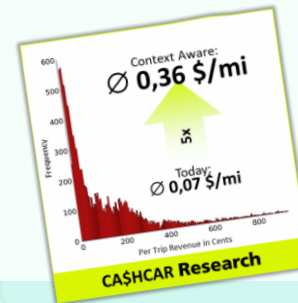


Mobility topics

Our projects affect the four main aspects of future motorized individual mobility



Project example:
CA\$H CAR



Project example



Innovation Network FutureCar

8 years – 50 workshop days – more than 300 presentations – many more new ideas!

Organization of common conferences – Involvement in IAO study design – Joint research projects among partners



FutureCar

Connected services

Autonomous driving

Shared mobility

E-Mobility

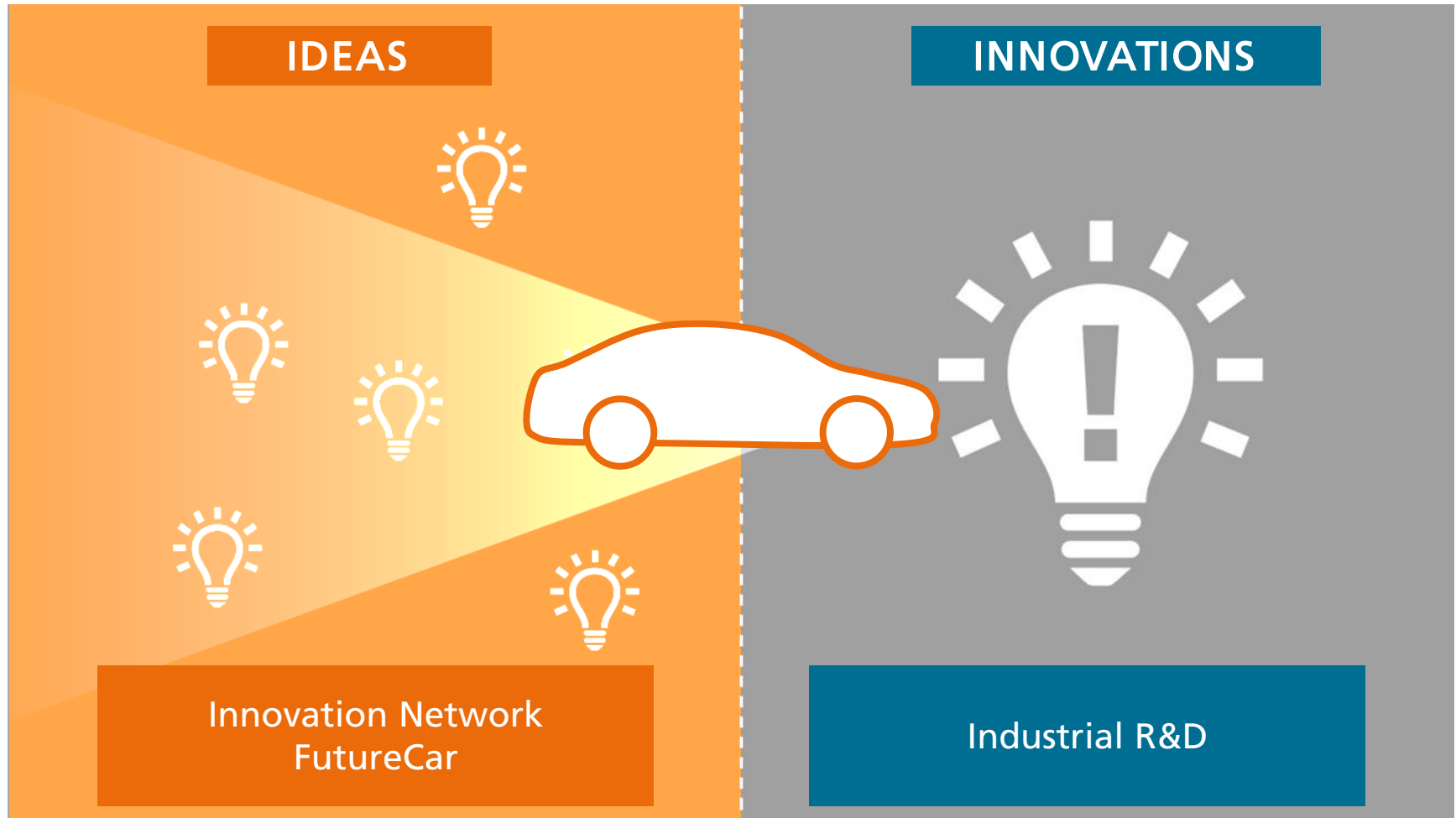
FutureCar

An innovation network

Joint research on trends and future aspects of the automotive industry

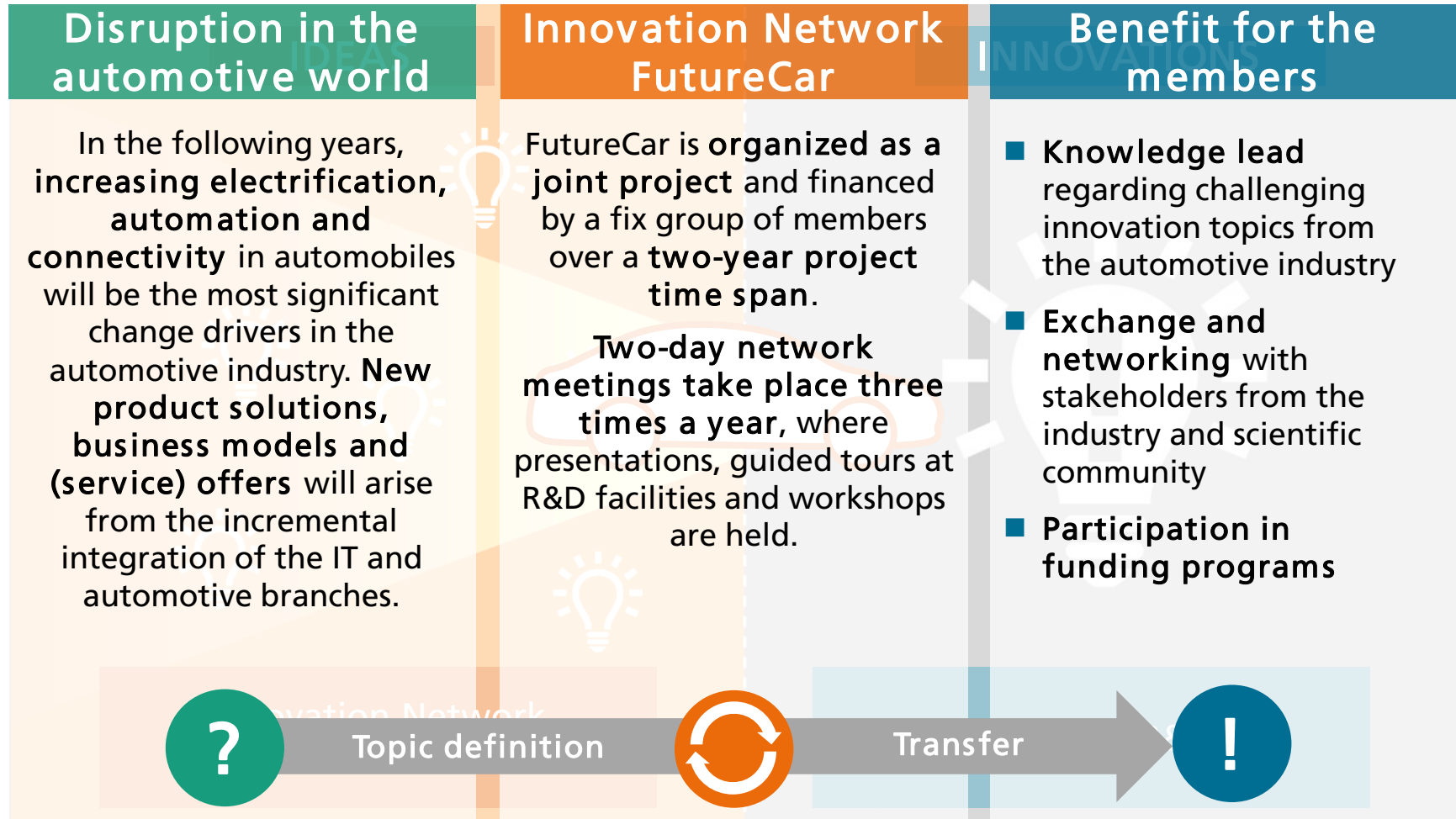
The Innovation Network »FutureCar«

...is a special project that focuses on the trends of the automobile industry




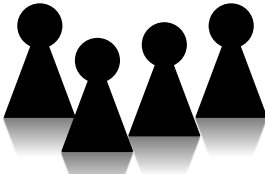

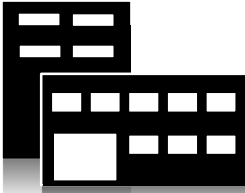


The Innovation Network »FutureCar«

...is a special project that focuses on the trends of the automobile industry



The Innovation Network »FutureCar«

...consists of members out of industry and science who discuss special topics with guest experts

 <p>FutureCar</p>	<p>Permanent members</p> 	<p>Guest experts in network meetings</p> 	<p>Guided tours at industrial facilities</p> 
<p>Science and public sector</p> 	<p>Organization and content development by Fraunhofer</p>	<p>Topic-specific presentations from scientific and political institutions</p>	<p>Visits at laboratories and research institutions</p>
<p>Industry</p> 	<p>Joint financing through several industry partners</p>	<p>Topic-specific presentations by guest experts from the industry</p>	<p>Visits at production facilities and research centers</p>

Network meetings are an essential part of »FutureCar«

Two-day network meetings three times per year for specific topic at changing locations

Guided Tours



Prototype GEV/one at Fraunhofer LBF



We visit and experience R&D centers, labs, and creative workspaces.

- Battery test benches, LBF
- Betahaus, Berlin
- Classic Remise, Berlin
- Brose Plant, Berlin
- Servicemanufaktur JOSEPHS
- Testing facility L.I.N.K., IIS

Examples from last project phase IV in 2016/2017

Presentations



Speakersession at Betahaus Berlin



We present and discuss current and relevant network topics.

- Presentations by IAO as impulses and discussion starters
- Market and technology studies by IAO
- Presentation of research findings by Fraunhofer Institutes
- Presentation of innovations by industry partners and external speakers

Workshops



Kick-Off EU-Call „Lithium as an App“

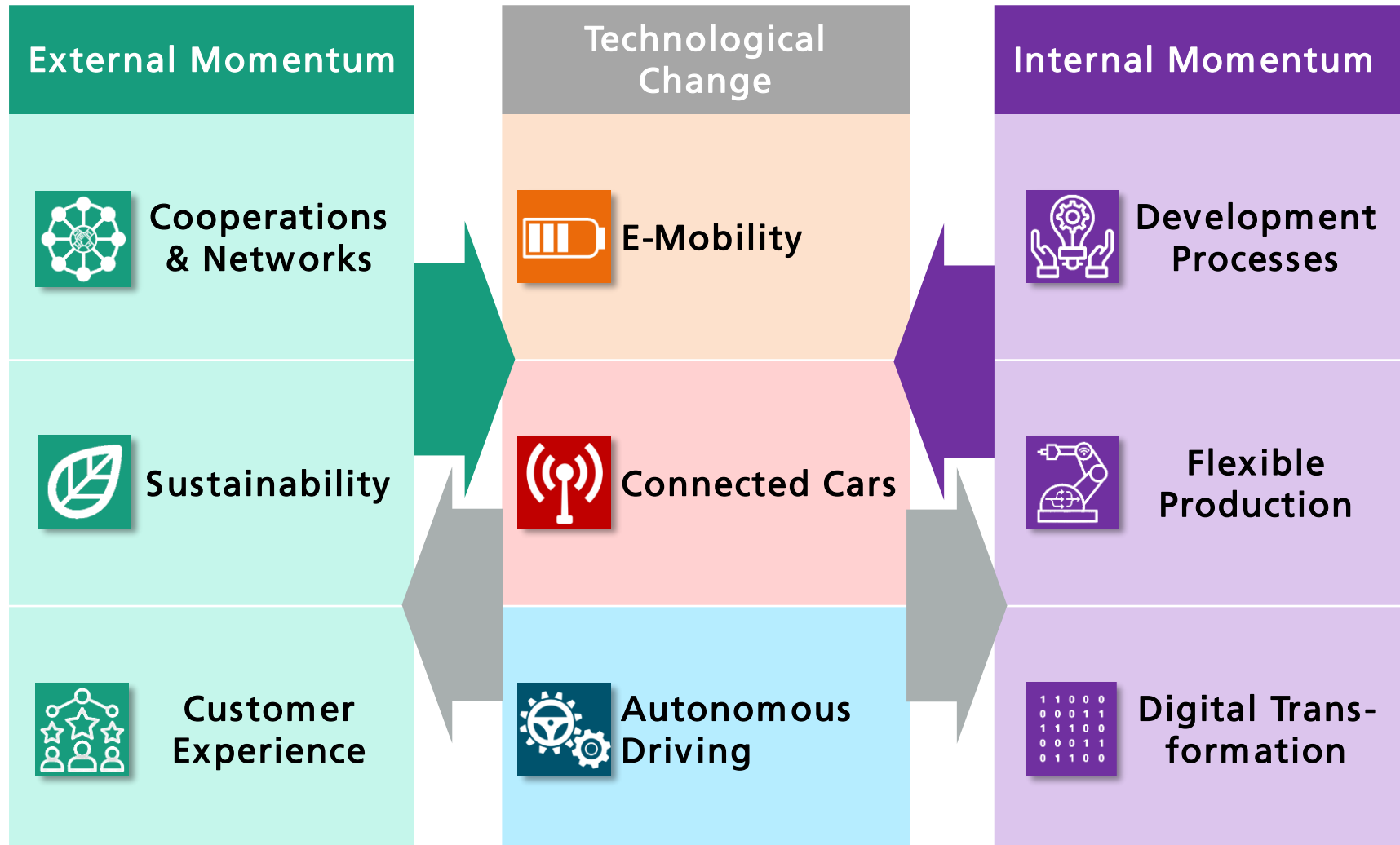


We conjointly work in group and creativity workshops.

- 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

Structure of FutureCar V – The upcoming phase

All three technological drivers of future cars should be discussed at each network meeting



General benefit and financing of »FutureCar«

FutureCar is collaboratively financed by the industry partners



- **Member fee:**
20 TEUR p.a. for industrial corporations
- **10 TEUR p.a. for SMEs**
- **Two-year contract period**

Advantages and benefits for the member corporations

- **Knowledge lead** through technology and trend research from the Fraunhofer Society
- Overview regarding current technological **development approaches** on the field of future mobility
- A total of six network meetings with topic-specific **workshops** and **expert presentations**.
- **Newsletters** and **fact sheets** regarding scientific and industrial stakeholders and their activities
- Participation with experts from the industry and scientific community within the network; conjoint **exchange** and **knowledge transfer**
- **Community site** for the **member corporations** with access to project outputs and presentations
- **Support for funding applications** and contacts for possible project partners
- **Support in automotive technology management** and internal understanding of innovations

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Fraunhofer IAO

Competence Center Mobility Innovation