

electric mobility

made
in
Germany



Exhibitor brochure

The German Pavilion at EVS32

May 19-22, 2019

Hall 6 Booth No. F15

Welcome to the German Pavilion!

Dear visitors,

If you want to find out more about electric mobility in Germany and are looking for an insider's perspective on the German market, talk to our industry experts from national and regional sector agencies and associations.

We invite you to get in touch with our exhibitors and learn how German companies can advance your business.

The label "made in Germany" enjoys an outstanding reputation all over the world. You will discover outstanding solutions in the fields of materials, components and systems.



Peter Sauber



Sandra Bilz

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Invitation

Be our guest:
Baden-Württemberg Reception

JOIN US AT BOOTH F15

TUESDAY, MAY 21

14:00 – 15:00



Baden-Württemberg
MINISTRY OF TRANSPORT

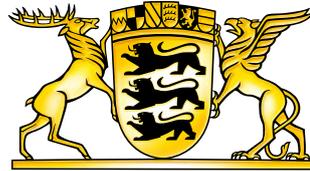


Baden-Württemberg International

Agency for International Economic and
Scientific Cooperation

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Baden-Württemberg

Baden-Württemberg International - Agency for International Economic and Scientific Cooperation

Baden-Württemberg International is the center of competence for the internationalization of business and science of the state of Baden-Württemberg, the German Southwest.

Our main objectives are:

- Strengthening contacts between foreign and local companies, universities and research institutions
- Supporting the endeavors of Baden-Württemberg companies, universities and research institutions to enter foreign markets
- Positioning Baden-Württemberg as an excellent location for business and science in order to encourage foreign capital investment, the settlement of new companies as well as the recruitment of specialist employees.

bw-i is your first point of contact if you are looking for an optimal site or investment object or if you would like to establish business relations with Baden-Württemberg, often referred to as Germany's premier high-tech location.

For more information visit www.bw-i.de/en

www.bw-i.de





**German Aerospace Center (DLR)
Institute of Vehicle Concepts**

DLR Institute of Vehicle Concepts researches develops and evaluates new vehicle concepts and technologies in light of future demands on the transportation system.

As a systems institute, we develop and demonstrate innovative, application-based solutions for road and rail vehicles, thereby contributing to the design of a sustainable and cost-effective, user-oriented, secure and networked mobility concept. Our contributions range from design and planning to construction, calculation and simulation through to the manufacture of research demonstrations, components and vehicles.

We are developing our knowledge and expertise within the framework of collaborative partnerships and are contributing to the competitiveness of the industry through innovation transfers in the following fields

- New Road Vehicle Concepts
- New Rail Vehicle Concepts
- Disruptive Concepts
- Vehicle-Drive and -Energy
- Vehicle-Architectures and -Material Engineering
- Vehicle-Systems and Technology Assessment

The Institute's guiding vision is one of successful scientific cooperation for efficient vehicle concepts where the fields of energy and transportation meet. The development of future technical systems based on regenerative energy carriers and energy conversion/storage in the vehicle of the future as well as progressive architectures and fuel technologies for road and rail vehicles is supported by a prospective, comprehensive vehicle system analysis and technology evaluation. The integration of innovations in materials, processes and construction methods occurs within the network comprising the DLR, the Helmholtz Association (HGF) and international science partners.



**Deutsches Zentrum
für Luft- und Raumfahrt**
Institut für Fahrzeugkonzepte

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EBG compleo GmbH

Intelligent solutions for the charging infrastructure

EBG compleo is a medium-sized company primarily specialising in the development, production and sale of state-of-the-art charging stations for electric vehicles. It is a subsidiary of the EBG electro GmbH which produces since 70 years cable distribution cabinets for the use in outdoor areas. Since 2012, EBG compleo established itself as a separate enterprise throughout the market. Currently the company employs more than 100 employees.

Within short time EBG compleo became an innovative power in the sphere of competence of charging infrastructure. Europe-wide, more than 16,000 charging points have been delivered by the company. More than 12,000 charging points mounted in Germany, amongst others in Berlin, Munich, Frankfurt, Oldenburg and Bremen helped EBG compleo to get in place at its customers. Furthermore the charging stations exclusively made in Dortmund convinced European neighbours like Ireland, Northern Ireland, Norway, the Netherlands, Denmark and Belgium. Local authorities, energy provider as well as private companies belong to its clientele.

By developing and selling AC and DC charging stations produced according to up-to-date standards and norms, EBG compleo contributes significantly to the roll-out of a modern charging infrastructure. The product portfolio contains intelligent charging stations for private and (semi-)public areas in consideration of customer-specific design requests, innovative software solutions and comfortable assistance and maintenance services. With its high-grade, robust and easily operated products and together with its customers, EBG compleo aims to create a reliable charging infrastructure for tomorrow's mobility. Today the company is counted among the market leaders in the range of electric mobile infrastructure.

www.ebg-compleo.de





Foto: © nadia/stockphoto

Shaping the transformation and pooling forces. For Baden-Württemberg.

e-mobil BW – State Agency for New Mobility Solutions and Automotive Baden-Württemberg

e-mobil BW is the innovation agency and competence centre of the State of Baden-Württemberg for new mobility solutions and automotive. In a network with partners from industry, universities and public institutions, it takes a hand in shaping the future for an automated, connected and electric mobility in a viable energy system.

Open to all kind of technologies, e-mobil BW acts as a driver in the industrialisation, market launch and application of sustainable, climate compatible and locally zero-emission mobility solutions. To this effect, it strengthens the Land Baden-Württemberg as an industrial and science centre.

Cluster Electric Mobility South-West

Cluster Electric Mobility South-West is one of the most important networks for the mobility of the future, pooling effectively the competences of industry, science and politics in Baden-Württemberg and shaping the transformation of the mobility system. With 140 partners, it is among the most prominent networks on future mobility solutions in Europe. The cluster network is managed by e-mobil BW.

AllFraTech – German-French alliance for innovative mobility solutions

In 2017, e-mobil BW and Cluster Electric Mobility South-West have launched a joint innovation alliance on future mobility solutions with the French cluster CARA – European Cluster for Mobility Solutions. A major goal of this alliance is to support the cooperation of innovative companies, universities and research institutes in Baden-Württemberg and Auvergne-Rhône-Alpes. Based on a joint cooperation strategy, two cross-border R&D projects have already been initiated in the framework of this initiative.

e-mobil ^{BW} 

State Agency for New Mobility Solutions
and Automotive Baden-Württemberg

e-mobil BW GmbH – State Agency for New Mobility Solutions and Automotive Baden-Württemberg

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We make it simple – see how easy e-mobility already is with our growing infrastructure and the EnBW mobility+ App

EnBW is one of the major players in the German e-mobility market. The company's goal is to provide easy access to e-mobility for everyone. Thus, EnBW acts both as a charge point operator and as an e-mobility provider. Moreover, the subsidiary Netze BW continuously expands its distribution infrastructure and performs own field research.

In terms of charging infrastructure, the EnBW focuses on fast charging solutions while also installing and running normal charging stations. By the end of 2020 EnBW will operate 1.000 fast charging sites all over Germany, including High-Power-Chargers. To reach this goal, EnBW cooperates with several retail and service area partners.

The company also runs and expands its own e-fleet including charging infrastructure and accounting and helps other companies and municipalities planning and implementing their own e-fleet solutions.

For a simple usage of charging infrastructure, the award-winning EnBW mobility+ app offers access to the biggest charging network in Germany, Austria and Switzerland with more than 28.000 charging points. An integrated driving simulator uses real rides to analyze what e-car best fits one's day-to-day mobility needs. In addition, as the first German e-mobility provider, EnBW recently introduced a fair and easy charging tariff based solely on the amount of energy that has been charged. This tariff comes without any extra costs and is valid for the entire EnBW e-roaming charging net – a long-awaited development among the German e-mobility community.

Visit us at EVS32, A world of E MOTION from May 19. to 22., 2019 at booth F15. We are happy to present and discuss the latest developments and future needs of a sustainable mobility – for people, municipalities and companies.

www.enbw.com



BUSINESS EXPANSION?

Talk to us.

www.gtai.com

Germany Trade & Invest

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Markus Hempel
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Phone 030 2000 99 405

Germany Trade & Invest is the foreign trade and investment agency of the Federal Republic of Germany.

Germany Trade & Invest provides close-to-market information to international companies looking to enter German markets. Our specialist industry teams prepare all of the relevant information essential to business success in Germany.

Our regular information service includes:

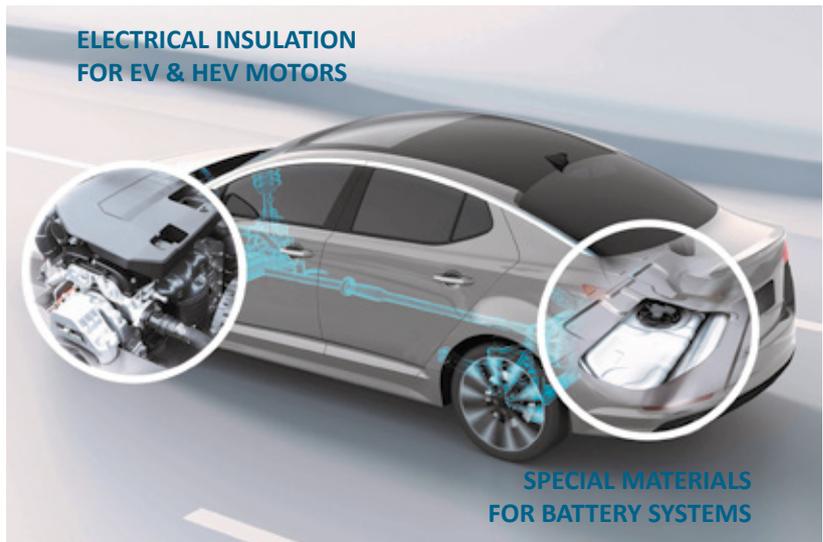
- Market and industry analyses
- Market entry analyses
- Extensive legal information (tax, labor law, etc.)
- Funding and financing information

Our advisory services include:

- Market-entry strategy development support
- Site identification, site visit support
- Tax and legal information and support
- Available funding and financing options advice
- Contact initiation and accompaniment during visits to local partners and networks

www.gtai.com





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KREMPPEL – YOUR SPECIALIST IN AUTOMOTIVE

Krempel is an independent producer of high-quality semi-finished products and a leading, global acting supplier of modern materials. We act as a system supplier for customers in the energy, mobility and industry sector.

With our electrical insulation materials, composite materials and special laminates, we enjoy a high reputation worldwide and are among the market leaders in many areas.

Our company is well-established in the market. We continuously invest into our business so that we can meet our customers' increasing requirements in the future as well. With 67 agencies, 1,200 employees and 10 factories, we have an international presence which guarantees fast service on the spot.

Krempel stands for customer-specific products and developments. In close collaboration with our customers, we create solutions for the most demanding projects.

We offer electrical insulation materials for automotive applications, developed especially for use in electric motors.

This includes slot insulation, intermediate insulation, phase insulation and slot closures for thermal classes and high-temperature-resistant adhesive systems. These materials help to increase thermal conductivity and improve resistance to partial discharge and ATF Oil.

Additionally Krempel supports you in the field of battery insulation. We supply materials for electrical and thermal insulation and heat dissipation, insulation for laminated bus bars, special laminates made from aluminium, copper and polyimide films, and other polymer materials.

The use of our fibre composites opens up new design dimensions. As your development partner, we can supply composite materials and components for your special needs.

Krempel.com





MANN+HUMMEL

MANN+HUMMEL is the leading global expert for filtration solutions. The company group with its headquarters in Ludwigsburg, Germany, develops solutions for motor cars, industrial applications, clean air in interior spaces and the sustainable use of water. In 2018 the group achieved sales of approx. 4 billion euros worldwide with more than 20,000 employees at more than 80 locations (preliminary figures). The products manufactured by the group include air cleaner systems, intake manifold systems, liquid filter systems, plastic components, filter media, cabin filters, industrial filters and membrane filters.

MANN+ HUMMEL

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www.MENNEKES.com



MENNEKES Charge up your Day!

An ambitious goal for the innovation leader. MENNEKES stands for technologically dependable and practical charging solutions and is regarded as a pioneer of modern electric mobility. To date, tens of thousands of charging points have been delivered, many of them as networked systems.

The company stands for technologically dependable and practical charging solutions, both in the private and in the public sector, from electrical engineering to intelligent charging communication.

Besides hardware for various applications in public and semi-public areas, MENNEKES and its partner network offer support in planning, installation, commissioning and maintenance.

As an innovation leader, MENNEKES offers a secure connection to the future and is at the forefront of the development towards greener mobility.



NOW - TOWARDS ZERO EMISSION MOBILITY

NOW GmbH was founded in 2008 by the Federal Government, represented by the Federal Ministry of Transport and Digital Infrastructure (BMVI). The task of NOW GmbH involves the implementation of federal development programmes which besides the previous subjects of the National Innovation Programme Hydrogen and Fuel Cell Technology (NIP) and battery-electric mobility from 2017 also include the programme implementation of recharging infrastructure for electric mobility and the continued development of the Mobility and Fuel Strategy.

These are programmes to support the market preparation and launch of the corresponding technologies. Besides research and development activities, a main focus of support is on demonstration projects and market activation. On behalf of the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, NOW GmbH supports the climate protection technologies export initiative in the area of hydrogen and fuel cell technologies as well as the German-Japanese cooperation in the power-to-gas area.

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PROFILREGION
MOBILITÄTSSYSTEME
KARLSRUHE



High Performance Center „Profilregion Mobilitätssysteme Karlsruhe“

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High Performance Center “Profilregion Mobilitätssysteme Karlsruhe”

The High Performance Center is the interdisciplinary association of Karlsruhe's institutions for research and teaching in the field of mobility systems:

- Fraunhofer-Institute for Chemical Technology (ICT)
- Fraunhofer-Institute for Optronics, System Technologies and Image Exploitation (IOSB)
- Fraunhofer-Institute for Systems and Innovation Research (ISI)
- Fraunhofer-Institute for Mechanics and Materials (IWM)
- FZI Research Center for Information Technology
- Karlsruhe Institute of Technology (KIT)
- Karlsruhe University of Applied Sciences (HsKA)

It is an open innovation platform for a cooperative exchange with the industry, economy, politics and other networks.

The broad, systemic research on mobility is organized in three strategic research fields:

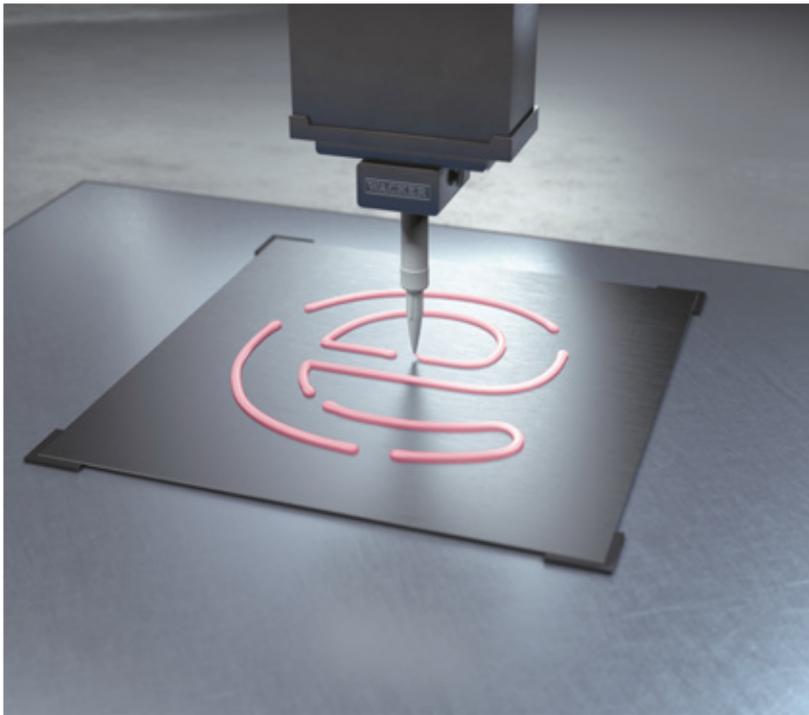
The field **Vehicles and the Environment** stands for research on eco-friendly propulsion systems with a focus on electric mobility: high performance electric motors, (hybrid) drivetrain topologies, thermal management and intelligent lightweight design for crucial components like battery housings. In parallel, we also work on CO₂-neutral combustion engines based on regenerative fuels.

In the field **Transport and Society**, the mobility behaviour and emerging potential from new alternatives like car sharing and raising multimodality are explored. Besides that, traffic flow simulation and market studies are performed to derive conceptual designs for future traffic infrastructure including charging stations.

The research field **Digitalisation** bundles the works for the introduction of safe connected and automated driving. The range spreads from the development of sensors over the cooperation of vehicles and swarms up to the development of holistic virtual development environments.

www.profilregion-ka.de





WACKER

Wacker Chemie AG

WACKER is a globally active chemical company with 13,800 employees and annual sales of around € 4.9 billion (2017). With over 3,000 products, WACKER SILICONES ranks among the world's largest manufacturers of silanes and silicones. With you, we develop new products and innovative processes to help you cut costs and optimize your business.

Silicone Elastomers are the material of choice in automotive electronics for protecting sensitive components, ensuring functional safety over the whole component life span and providing reliable sealing, bonding, potting and encapsulation. Silicone gap filler, which are easy and cost effectively to handle, render safe functionality and durability.

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<http://wrs.region-stuttgart.de>



Foto: Stuttgart Marketing GmbH, Achim Mende

The Stuttgart Region – Home of numerous global players in the mobility industry

The Stuttgart Region is one of very few complete automotive clusters in the world. Various world-leading companies have been driving the development of personal mobility for more than 130 years.

The Stuttgart Region Economic Development Corporation (WRS) supports the structural change in the automotive industry towards alternative drive technologies and new mobility concepts: Within several programmes, a large number of demonstration projects have been implemented in the Stuttgart Region related to electric mobility and innovative mobility solutions. Keeping faster innovation cycles in mind, the Stuttgart Region works on future-oriented solutions and will remain a leading region for automotive, engineering and mobility solutions.



f-cell The Impulse Summit

for Hydrogen and Fuel Cells

Stuttgart, Germany - September 10 + 11, 2019



Meet us at the German Pavilion at EVS32 to discuss sponsorship opportunities and book your trade fair stand.

Register now for the f-cell Conference, early bird discount ends on June 30, 2019.

Alternatively contact us at:

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Host

**PETER SAUBER
AGENTUR**
Messen und Kongresse GmbH

#fcell19 **f-cell.de**

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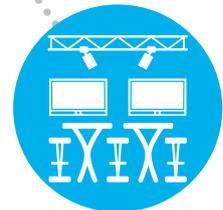
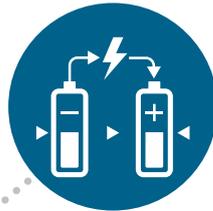
www.messe-sauber.de



Peter Sauber Agentur – We create events that electrify the industry

With more than 18 years of experience in the electric mobility sector, we know all about topics and people that move the industry. We host trade fairs and conferences in Germany. We organize German trade fair presentations at international events. When you participate at an event organized by Peter Sauber Agentur, you will benefit from our large international business network as well as from our expertise and professional approach towards event management.

Meet us at international events in America, Asia and Europe. See our website for dates and events. www.messe-sauber.de If you need help organizing a trade fair or an event, contacting German companies or need support conceptualizing your company's trade fair presentation, do not hesitate to contact us.



Serving the International Hydrogen and Fuel Cell Community

- **f-cell+HFC**

May 22+23, 2019 in Vancouver, Canada

- **f-cell**

September 10+11, 2019 in Stuttgart, Germany

- **AtEm - Aktionstag Elektromobilität**

September 22, 2019 in Stuttgart, Germany

- **FC Expo**

Showcasing German excellence in Japan since 2008

February 26-28, 2020 Tokyo, Japan

- **WHEC**

Organization of WHEC 2010 and 2018; German Pavilion at WHEC since 2012

July 5-9, 2020 in Istanbul, Turkey

- **International Electric Vehicle Symposium (EVS)**

Organization of EVS30 in Stuttgart; German Pavilion at EVS events since 2016

June 14-17, 2020 in Portland, USA

electric mobility

 made
in
Germany

 **bwi**
Baden-Württemberg International

EBG *compleo*

 Deutsches Zentrum
DLR für Luft- und Raumfahrt
Institut für Fahrzeugkonzepte

GTAI GERMANY
TRADE & INVEST

e-mobil ^{BW}
State Agency for New Mobility Solutions
and Automotive Baden-Württemberg

 **EnBW**

 **MENNEKES**
MY POWER CONNECTION

KREMPEL

**MANN +
HUMMEL**

 **NOW**
NOW - GMBH . DE

 **PROFILREGION**
MOBILITÄTSSYSTEME
KARLSRUHE

 **Wirtschaftsförderung**
Region Stuttgart

WACKER