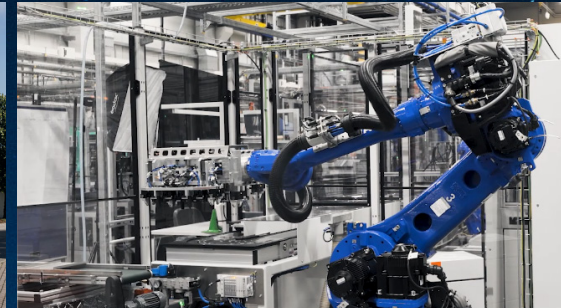




STRONG CONNECTIONS.  
WORLDWIDE.



**High performing and innovative.**





**KE ELEKTRONIK**  
an Amphenol company

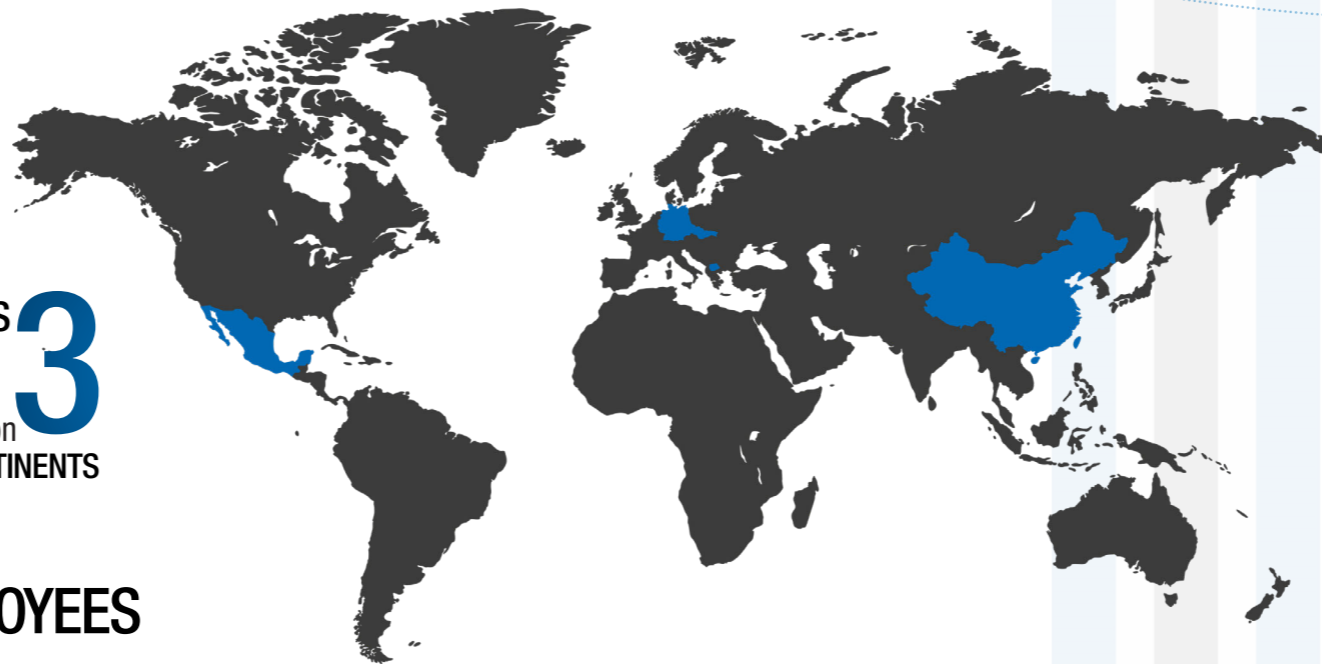
**AUTOMOTIVE  
AVIATION**  
**2**  
markets

locations  
in **6** COUNTRIES  
on **3**  
CONTINENTS

**3,500** EMPLOYEES  
worldwide

**1984**  
established

At our production sites in Germany, Czech Republic, Slovakia, North Macedonia, China and Mexico we create strong connections, everywhere.



**STRONG CONNECTIONS.  
WORLDWIDE.**

# Amphenol®

Being part of the US based Amphenol Corporation since 2000 makes it possible for KE Elektronik to combine the creativity and flexibility of a small and medium sized enterprise (SME) with the growth potential of a worldwide operating group.

Amphenol Corporation is one of the largest manufacturers of interconnect products in the world. Amphenol Automotive offers an adequate scalable service to satisfy the individual customer needs for specific interconnect solutions, standard connector systems up to full harness assemblies on a global basis. These services are based on a strong local support for engineering, quality, manufacturing and logistics.



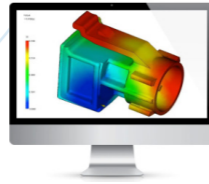
# Strong in research, development and production.

KE Elektronik is a specialist in the fields of cable assembling, plastics technology, as well as construction and connection technology.

Research and technology are key drivers of today's life. They motivate us to create strong connections.



## Development Competence



We have accumulated an extensive know-how in manufacturing engineering but also do we have experience and knowledge in product and interface development.

## Plant and Device Construction

KE Elektronik has the possibilities to develop and build automation systems, from manual workstations to fully automatic robot cells.



## Injection Moulding

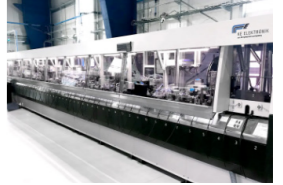
KE Elektronik works with horizontal and vertical molding machines. We produce in locations all over the world using high-tech Machines.



We have a single uniform standard, a state of the art production, with monitoring of the relevant parameters.

## Cable Assembling

At KE Elektronik, cable assembling take place also with fully automated processing systems.



## Measurement and Testing Laboratory

For sampling, validation and analyzing KE Elektronik possesses a wide range of measuring and testing facilities.



Please scan the barcode to get more infos!

# EXHAUST CLEANING

## Own housing and contact development

Signals are transmitted between NOx sensors and control electronics using our connection system. Special contact materials and housing materials are able to resist high exhaust-gas temperatures.

By developing our own systems we achieve low and steady contact resistances, which are needed for the transmission of sensor currents.

We can ensure a steady high quality, because our highly automated production possesses a 100% process integrated monitoring.

Lamda Sonde



Temperature sensor for exhaust systems



Sensor technology Nitrogen oxide emission (NOx)



Electronic steering

Automatic tailgate opener



Seat heating

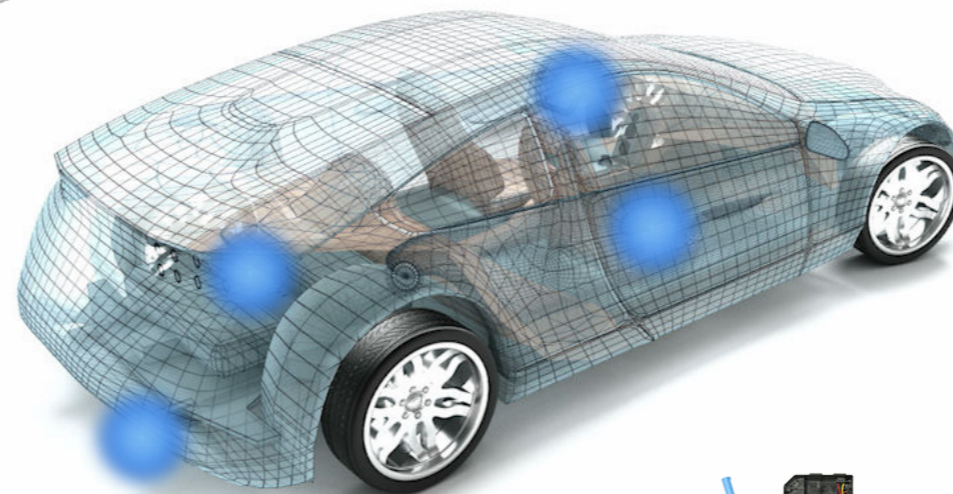
Actuator technology

Parking heater



Electric window regulator

Central locking system



Chassis regulation

Rear axle steering



# CHASSIS / SAFETY

## Doors / tailgate / chassis / steering / heating

Contactless and quiet opening and closing of the boot is ensured by electric spindle drives. We manufacture these cable harnesses and the corresponding components on automatic production lines.

Process steps such as overmoulding inserts, automated clamp assembly, induction soldering and casting are carried out according to customer specifications.

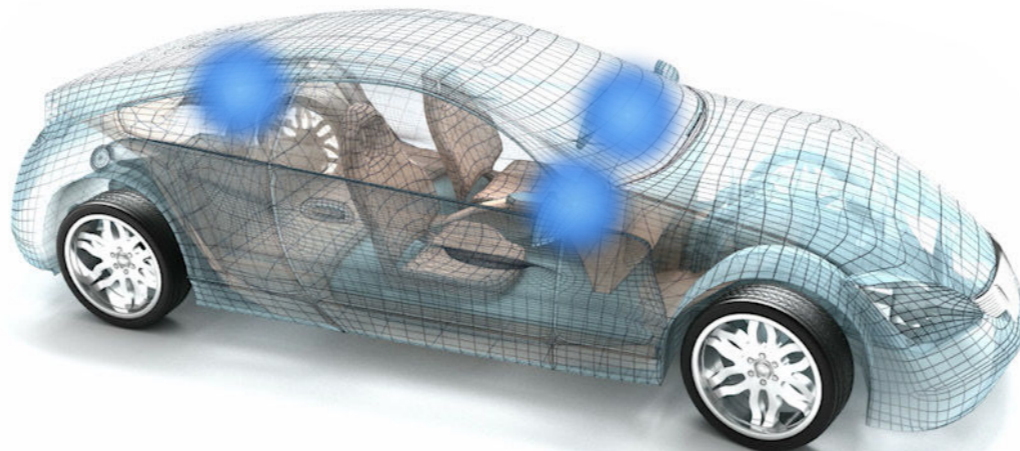
# DRIVER ASSISTANCE

## Antenna | Display | Assistance systems

These connectors transmit data in a vehicle between cameras, sensors and the relevant control units. These can be used in cameras, as well as Radar/Lidar systems. RF connectors are necessary for scanning the area, enabling semi-autonomous and autonomous driving. Depending on the area of application, we also have overmoulding solutions that offer advantages in terms of assembly space and impermeability. In order to meet and ensure the necessary quality requirements, these KE Elektronik connectors are joined to the data cables using full automation. The quality requirements are also inspected in our high-frequency laboratory during manufacturing.



Camera systems for rear view and 360° cameras



Antenna connections with coaxial cable



Passive and active antennas for broadcast, radio, smartphone, vehicle access (NFC) with KE PCB contact



Infotainment



Mirror harness with camera connection



Interior mirror harness



Intelligent Lighting with own customized interfaces for FAKRA and Ethernet



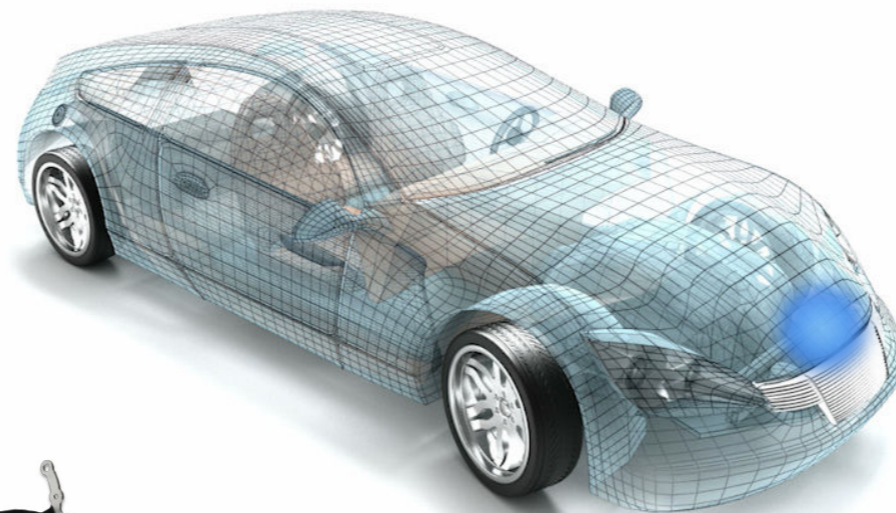


# ENERGY MANAGEMENT / HV

## Applications for E-Mobility

KE Elektronik manufactures customized high-voltage and high-current wiring harnesses using Amphenol contact systems. The contact systems are specially designed for use in sophisticated applications and are suitable for all temperature ranges of the vehicle.

Advantages in terms of size, weight and power density can be realized.



Aggregate interfaces



Battery cables



VGSi Connector



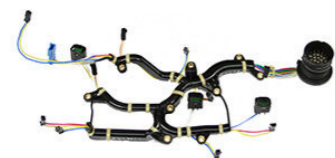
Temperature sensors

# TRANSMISSION

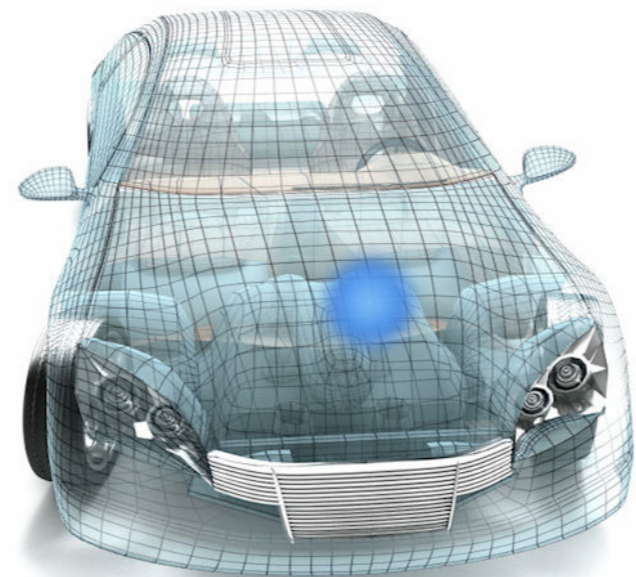
## Transmission and drive

Our complex cable sets are used in classic and hybrid double-clutch transmissions as well as 8- and 9-speed automatic transmissions. Oil tightness and optimum connection technology under the most extreme conditions are of the highest technical relevance due to our many years of experience in this product sector.

KE Elektronik supplies these transmission applications, via various system manufacturers, to almost all well-known international upper-class and premium vehicle manufacturers.



Transmission line sets



# ENGINE & ANCILLARY COMPONENT

## Engine and aggregates

Our connecting cables for connection to engine cooling systems can be found in various engine class variants. The connectors, including seal, are automatically over-moulded in production cells with lead frame and liquid silicone LSR. Special process steps create the connection to the lead frame, strain reliefs and longitudinal water tightness.



Fuel delivery systems



Heating  
Core field thermostat

HVAC



Connection system for motor cooling



# AIRCRAFT Interior

We deliver to all major aircraft manufacturers a wide variety of cable harnesses for interior applications. These provide entertainment (audio and internet) and lighting in the aircraft.



Harnesses for entertainment applications



Connection cable for interior lighting



# QUALITY MANAGEMENT

## We are certified!

KE Elektronik strives for a consistent standard along the whole supply chain, as well as an increase in the product and process quality. In addition, we always endeavour to optimise our environmental activities in order to make a positive contribution.





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