

# KE Elektronik GmbH

STRONG CONNECTIONS. WORLDWIDE.



# 1984

FOUNDATION

# 2000

ACQUISITION

of KE by Amphenol

# 325 Mio. €

SALES in 2023

## STRONG CONNECTIONS. WORLDWIDE.

# over 3,500

EMPLOYEES worldwide

# 2

MARKETS

2% AIRCRAFT

98% AUTOMOTIVE

LOCATIONS

in **6** COUNTRIES

on **3** CONTINENTS

# KE ELEKTRONIK

## • Locations

### KE Elektronik GmbH Headquarter **Marktlustenau - DE**



**founded:** 1984

 310 |  7,300 m<sup>2</sup>

#### **focus:**

automated production, sample production  
development, sales, administration

### KE Ostrov Elektrik s.r.o. **Ostrov CZ**



**founded:** 1997

 380 |  7,950 m<sup>2</sup>

(Ostrov + Stare Sedliste)

#### **focus:**

wire harnesses, data wiring,  
injection moulding

### KE Presov Elektrik s.r.o. **Presov SK**



**founded:** 2006

 430 |  6,500 m<sup>2</sup>

#### **focus:**

wire harnesses, data wiring,  
sensor wiring

# KE ELEKTRONIK

- Locations

## KE Elektronik Changzhou CN



**founded:** 2010

 320 |  4,050 m<sup>2</sup>

**focus:**

wire harnesses, data wiring,  
injection moulding

## KE Elektronik Monterrey MX



**founded:** 2012

 560 |  6,050 m<sup>2</sup>

**focus:**

wire harnesses,  
injection moulding

## KE Elektronik Kočani MK



**founded:** 2014

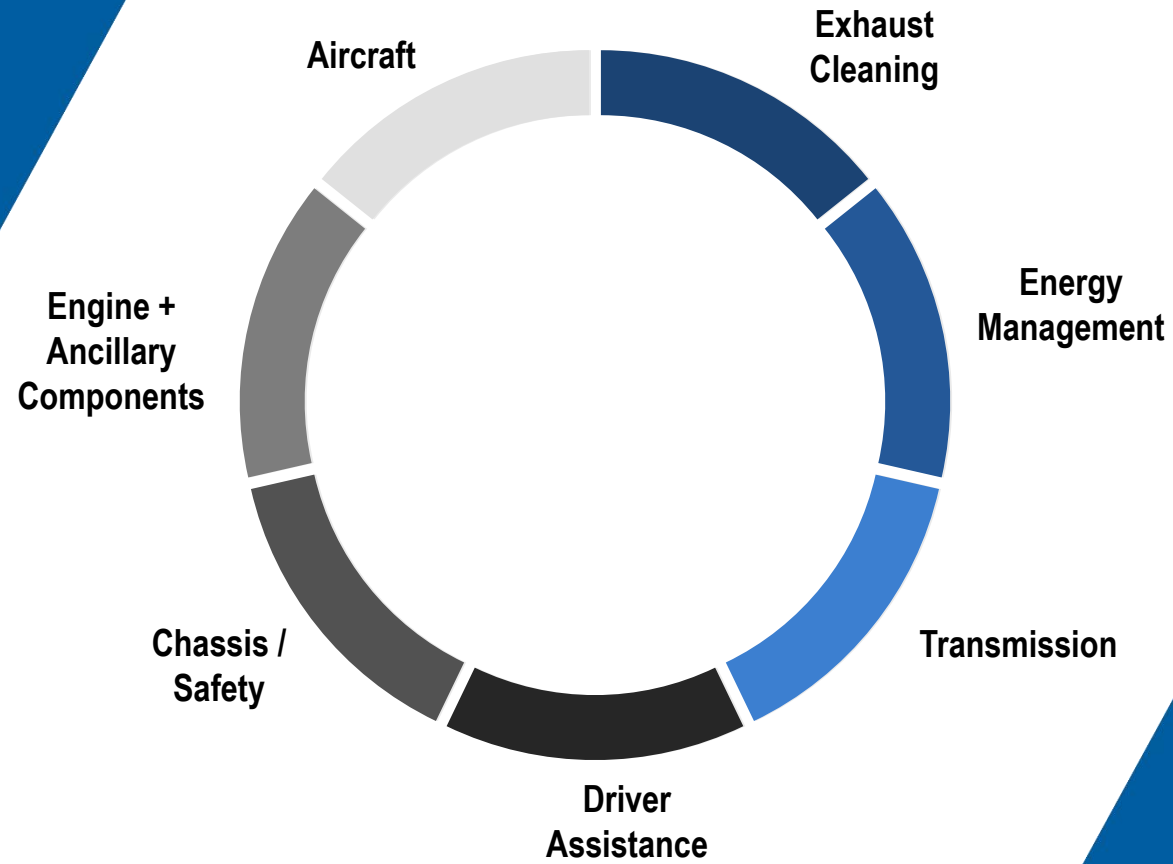
 1.600 |  13,550 m<sup>2</sup>

**focus:**

wire harnesses

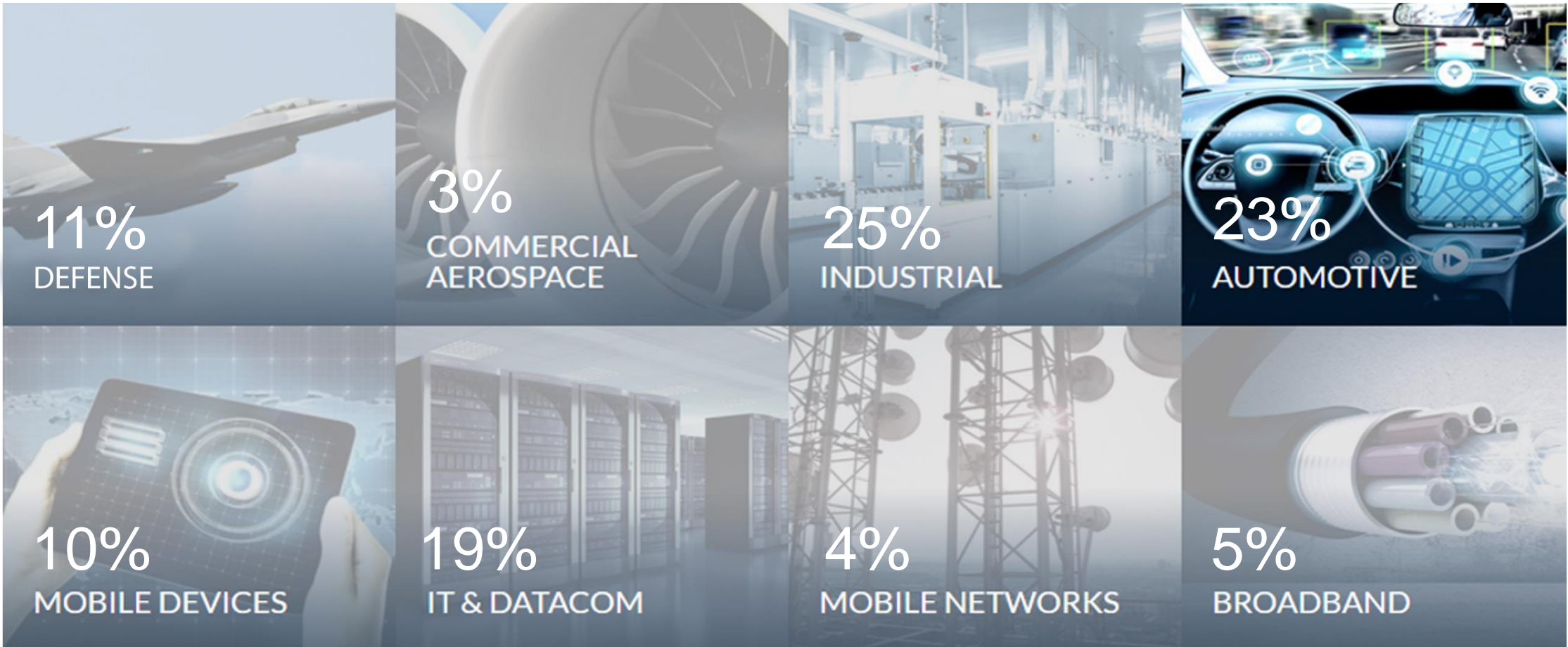
# KE ELEKTRONIK

- Markets

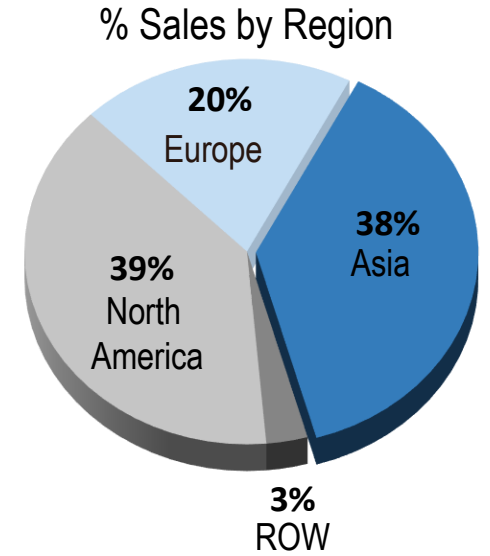
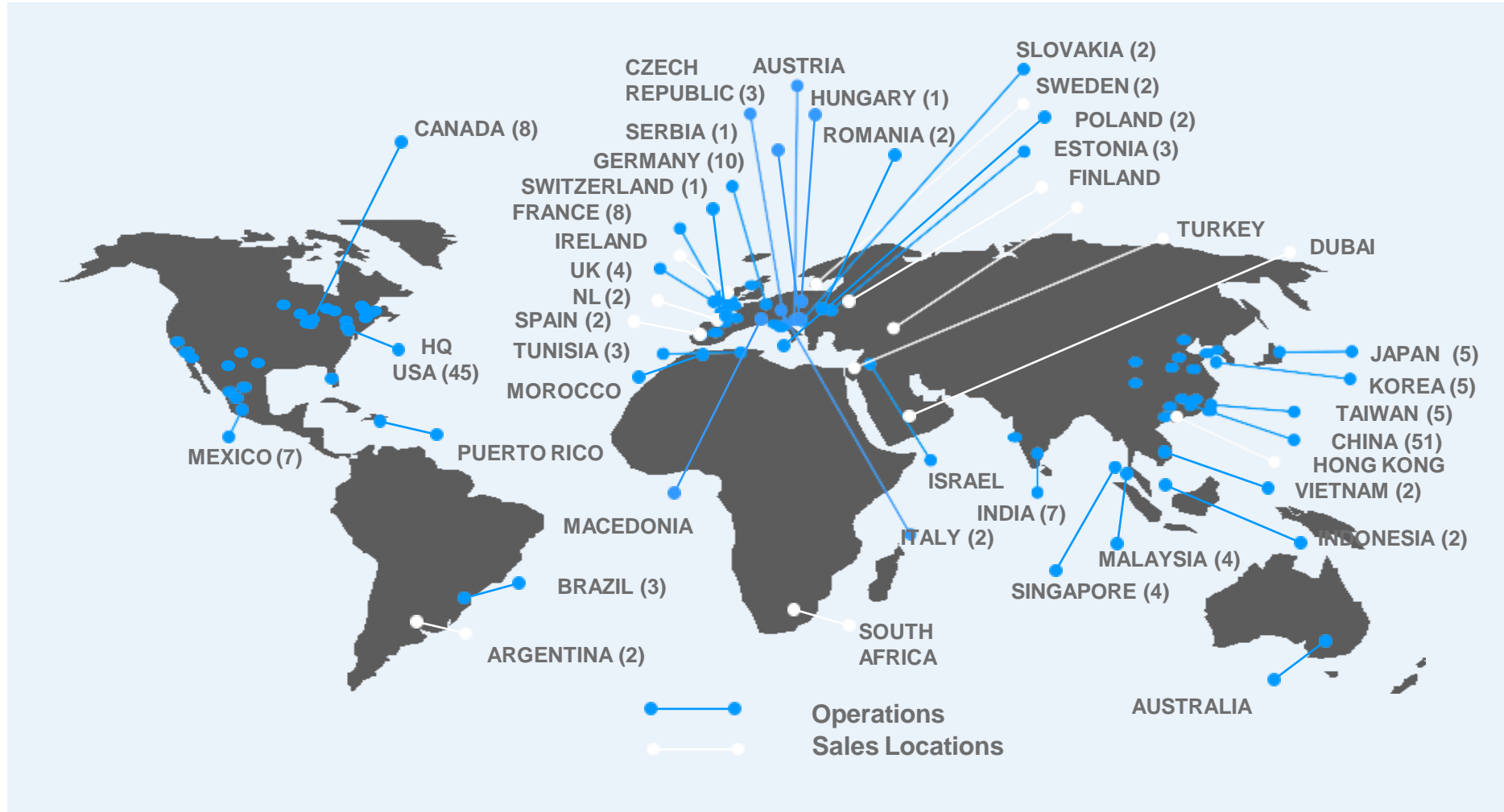


## • Figures

sales 2023: \$ 12,6 Billion | employees 2023: ~95,000 employees | 130+ companies, 14 groups, 8 markets

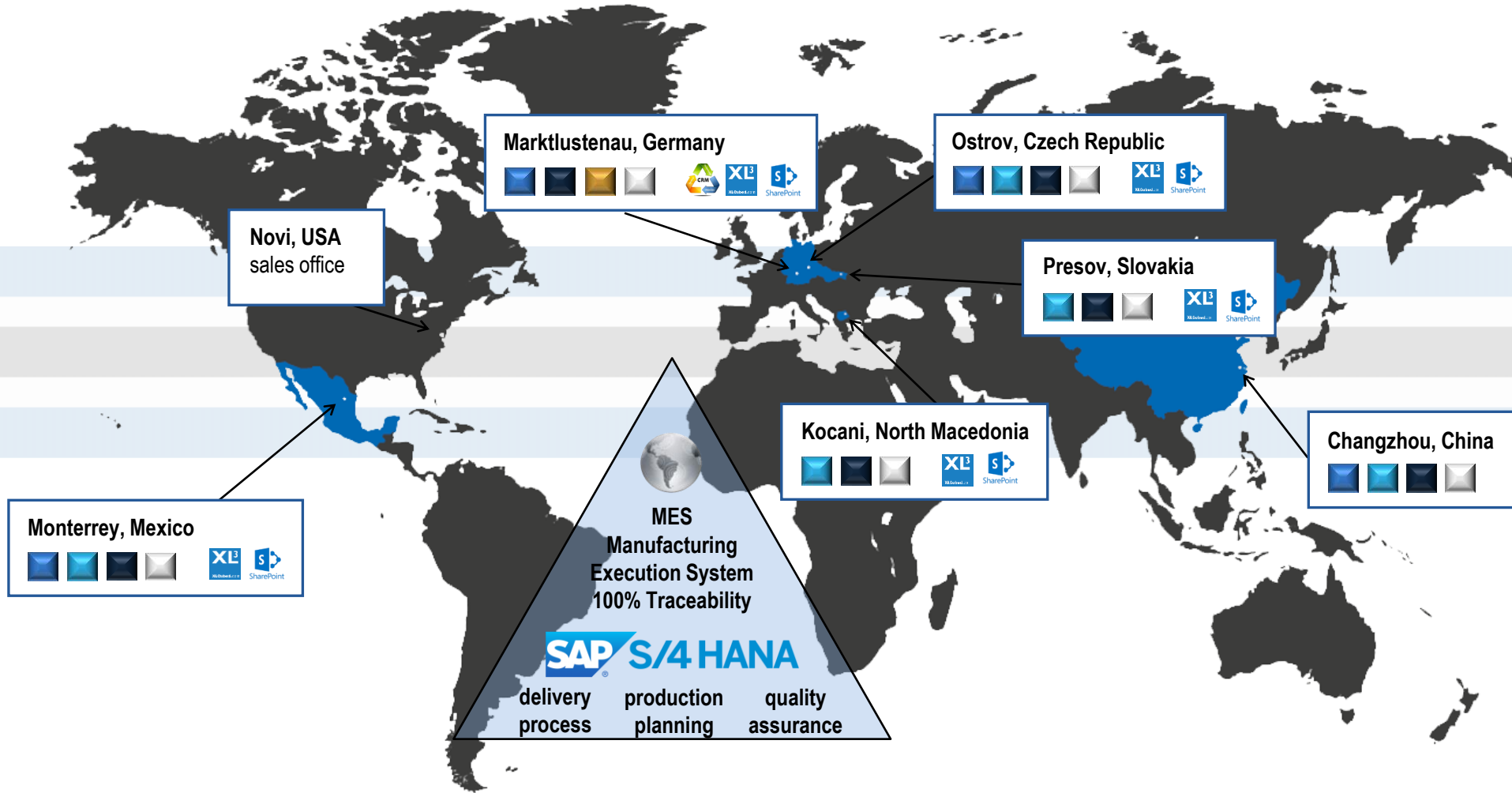


## • Locations



# KE ELEKTRONIK

- Locations worldwide, Technology & IT



injection moulding



automatic cable processing



assembly



development



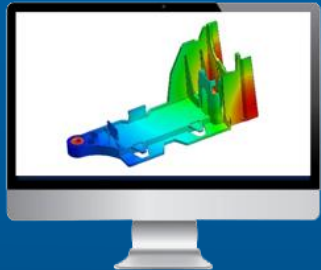
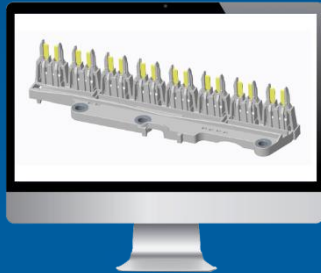
clean room production



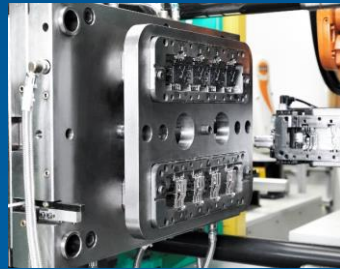
# KE ELEKTRONIK

- Process Competences – Strong in research, development and production.

## Development Competence



## Tool Construction



## Component Production



## Assembly



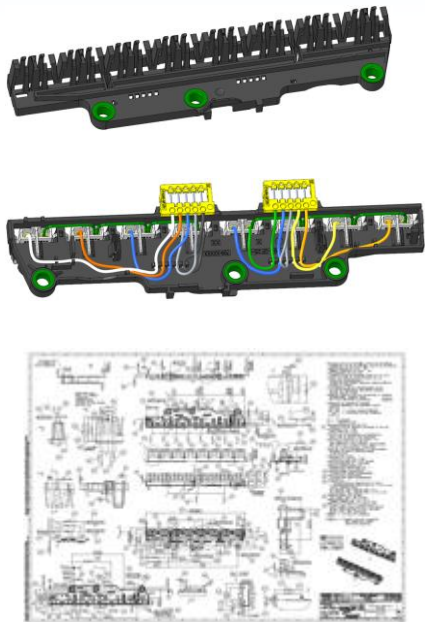
## Measurement and Testing Laboratory



# KE ELEKTRONIK

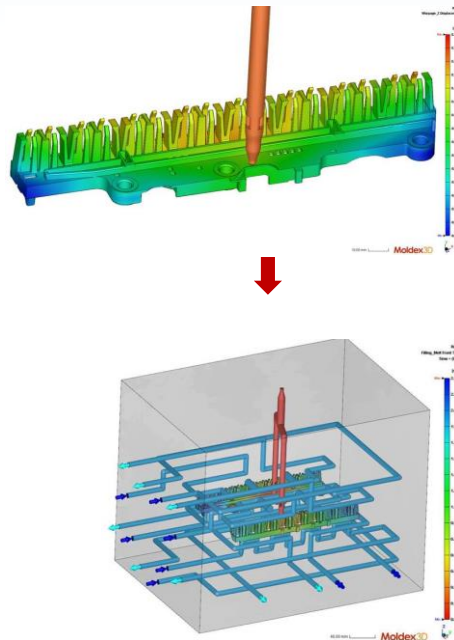
- Development Competences

## CAD-Software

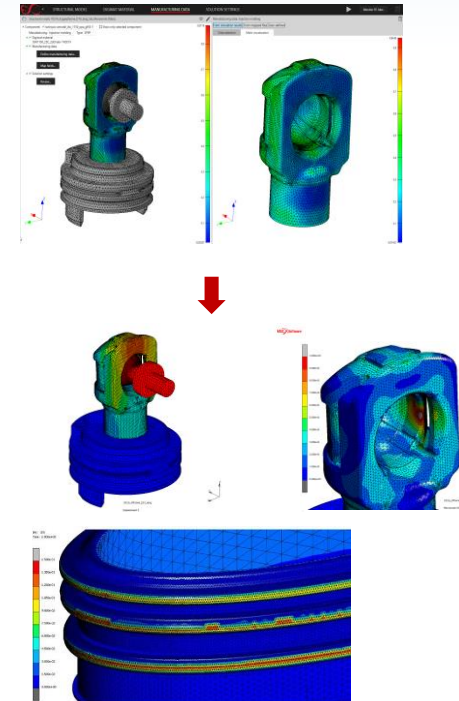


## FEM-Simulation possibilities

# Moldex3D



# Digimat MSC Software



# KE ELEKTRONIK

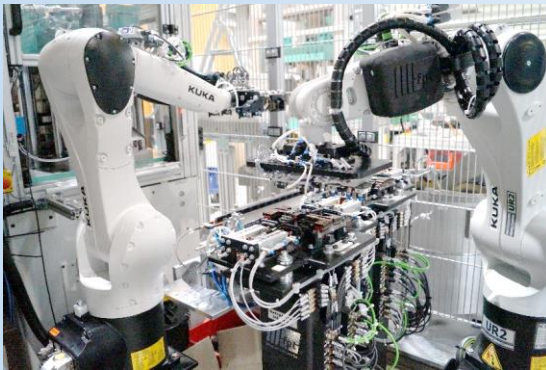
- Injection Moulding

vertical machinery (round and sliding table)

standard horizontal machinery

2K machinery

inline machinery



# KE ELEKTRONIK

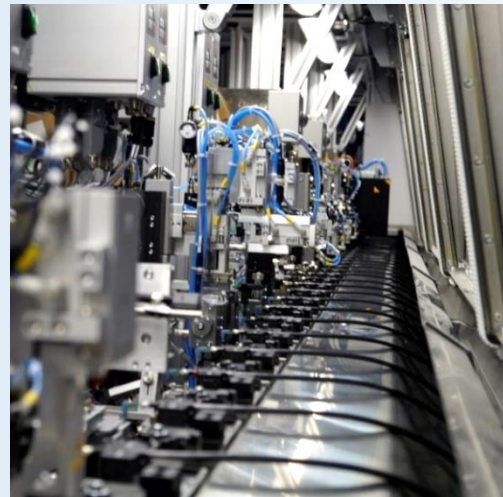
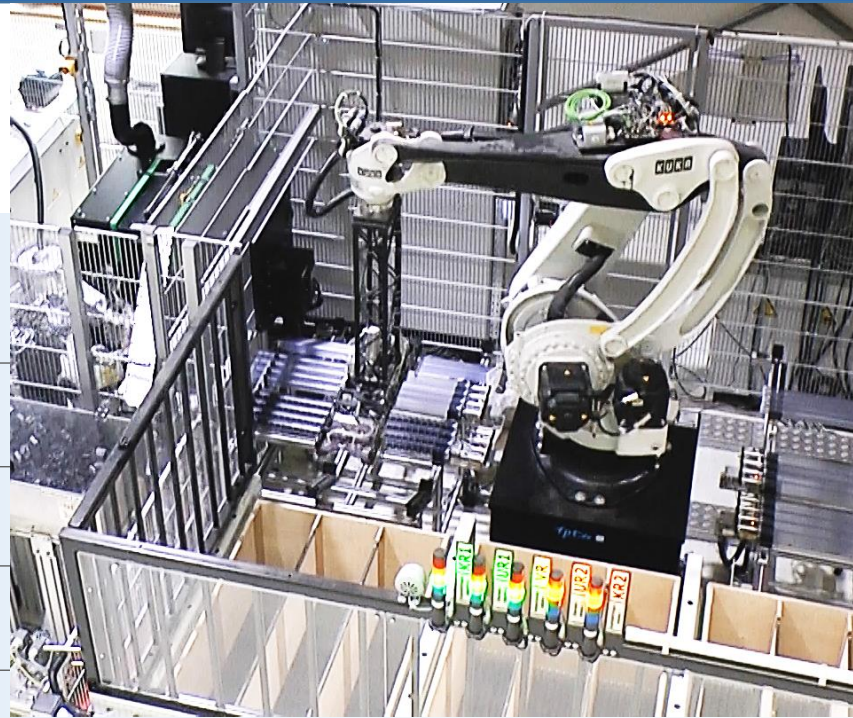
- Automated manufacturing and assembly

development and construction of automation systems

fully automated processing systems

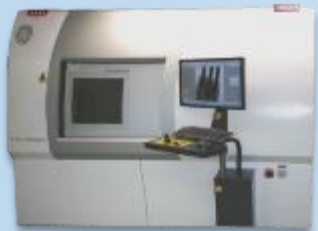
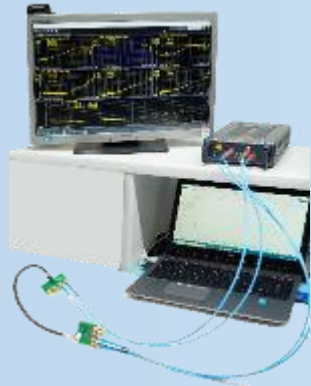
implementation of new technologies

realization of highest quality requirements



# KE ELEKTRONIK

## • Testing and Measurement Technology



### Electrical Measurement Technology

- LF (Continuity Test, Insulation Test, High Voltage Test)
- RF (S-Parameters, Eye-Diagram, Impedance)
- EMC (shield attenuation)
- ESD

viscosity  
testing  
plastics

environment  
simulation

climatic & temperature shock  
chamber,  
salt spray test chamber

dynamic shock  
testing  
(shaker)

3D printer

CT-system &  
scanner for  
2D & 3D  
measurements

slow motion  
bending test

cleanliness  
analysis



## • Automotive Applications – Engineered Connections. Strong in Application.

### antenna systems

- ▶ passive and active antennas
- ▶ antenna connection with Koax-wire (FAKRA)

### exhaust systems

- ▶ lambda sensors
- ▶ temperature sensor for exhaust systems
- ▶ nitrogen oxide emission sensors (NOx)
- ▶ selective catalytic reduction (SCR / AdBlue)

### doors & liftgate

- ▶ power window motors
- ▶ central locking systems
- ▶ NFC antenna
- ▶ electrical liftgate system

### mirror

- ▶ mirror wiring with camera connection

### display & assistance systems

- ▶ interior mirror
- ▶ camera systems for rear view and 360° cameras
- ▶ infotainment
- ▶ connection antennas

### chassis

- ▶ shock absorber adjustments
- ▶ rear axle steering

### steering

- ▶ electronic steering

### climate and heating

- ▶ air condition systems
- ▶ auxiliary heating systems

### power train & transmission systems

- ▶ gearbox harnessing
- ▶ speed sensors
- ▶ temperature sensors

### eMobility

- ▶ refrigerant compression
- ▶ onboard charger
- ▶ auxiliary heater
- ▶ high-voltage storage
- ▶ battery cooling
- ▶ temperature sensors
- ▶ thermal management

### motor and aggregates

- ▶ engine cooling
- ▶ fuel handling devices
- ▶ windscreen washer system
- ▶ heating elements for engine cooling systems
- ▶ HVAC
- ▶ hybrid applications

### driver assistance systems

- ▶ High- and Low-Speed Ethernet applications for radar and lidar
- ▶ digital lighting

autonomous driving

# KE ELEKTRONIK

- Product Examples

## TRANSMISSION APPLICATIONS



## HIGH FREQUENCY WIRE SYSTEMS



# KE ELEKTRONIK

- Product Examples

## CONNECTING SYSTEM FOR ENGINE COOLING



## EXHAUST GAS SENSORS





# KE ELEKTRONIK

- Product Examples

## HIGH VOLTAGE APPLICATIONS

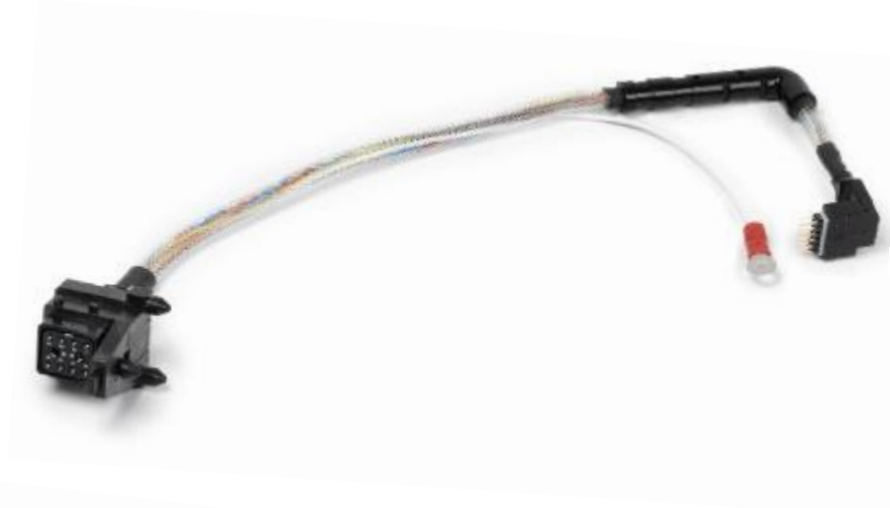


ELECTRICAL LIFTGATE SYSTEM



# KE ELEKTRONIK

- Product Examples



## AVIONICS - WIRE HARNESSSES FOR AVIATION INDUSTRY

# KE ELEKTRONIK

- Quality Management - Certificates



Locations in Germany, Czech Republic, Slovakia, China, Mexico und North Macedonia

Certification Occupational Health and Safety Management  
**ISO 45001**

Certification according to  
**IATF 16949**

Environment certification  
**ISO 14001**

**TISAX**  
Level 3 for location Marktlustenau  
Level 2 for all other KE locations





**KE ELEKTRONIK**  
an Amphenol company

