



## NEW MOBILITY

WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

# NEW MOBILITY

## General Situation

„The Future vehicle will be ...“

### Electrified



- Drive further
- Charge faster
- Low Emission

### Connected



- Machine 2 machine
- Human 2 machine
- Machine 2 human

### Autonomous



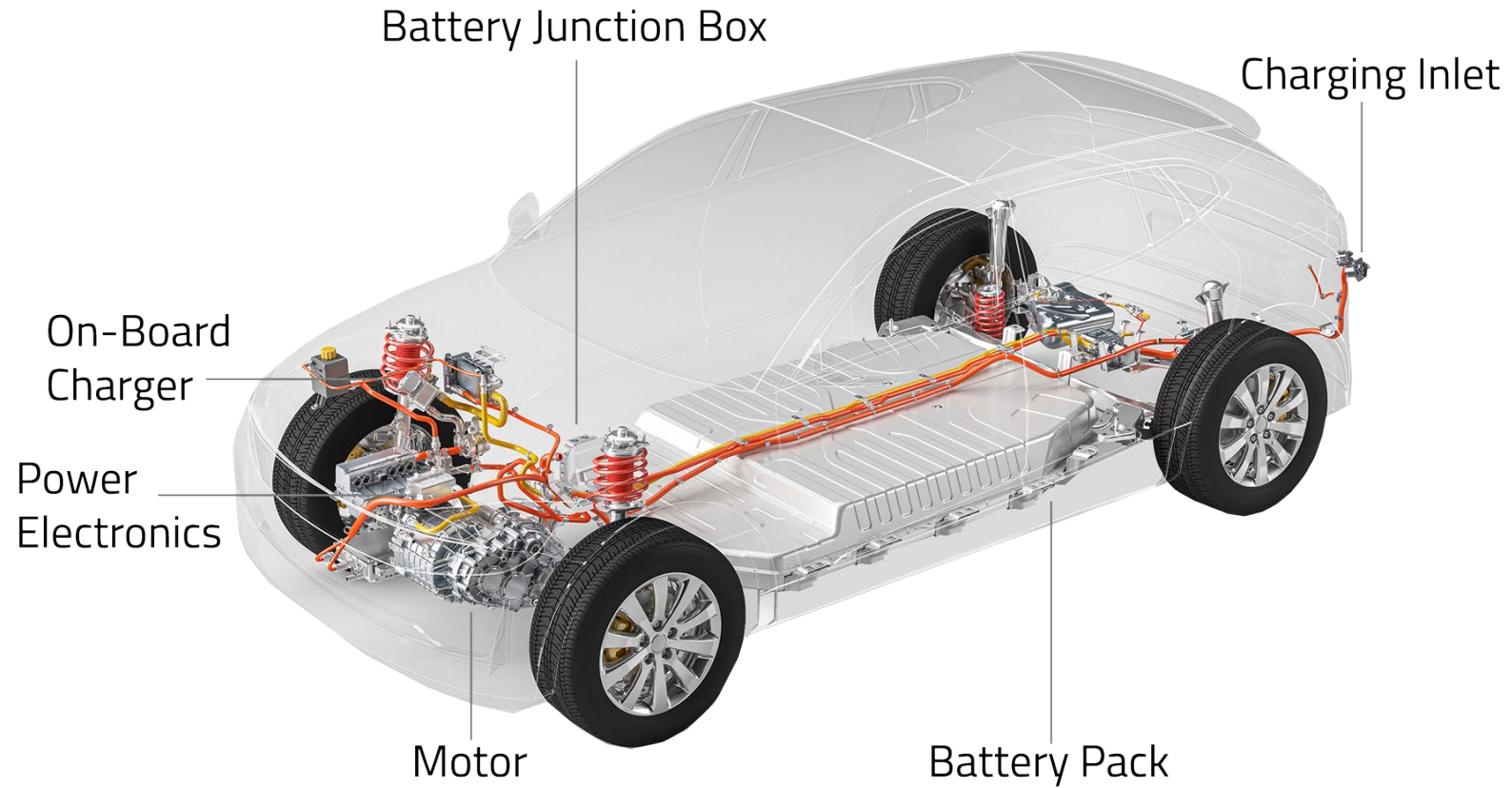
- Sensors and actuators replacing human interaction

### Shared



- Full availability without ownership
- Bigger mileages/lifetimes

# NEW MOBILITY APPLICATIONS



# NEW MOBILITY

## New mobility and Würth Elektronik

### **The world is changing.**

It is a time of change. More and more electric vehicles can be seen on the road. There is an irreversible shift to electromobility. However, there are still challenges that seem impossible to some. This is exactly where we can help. Our components are invisible from the outside, but contribute even more to the future of electromobility.

**More range!** The small [WE-AGDT](#) boosts range by up to 10% by using the latest semiconductor technology.

**Fast charging!** A powerful transfer of charging power is achieved with the innovative press-fit technology of the [Redcube](#) components, which is largely unique in the market.

**Longer life for less electrical waste!** This is where [WE-MPSBs](#)/[MPSAs](#) excel, because they are more robust to meet the new market requirements.

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## Würth Elektronik Components

Automotive (Our Automotive products are AEC-Q200 qualified, come IATF certified factories, and we follow the PPAP guidelines)



[WE-MAIA](#)

Molded Power Inductor



[WE-AENA](#)

Nanocrystalline cable ferrite



[WE-PDA](#)

Power Inductor



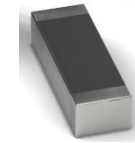
[WE-HCFA](#)

High Current Flat Wire Inductor



[WE-MCI](#)

Multilayer Ceramic SMT Inductor



[WE-MPSA](#)

Power Inductor

## Non Automotive



[WE-CNSW](#)

Common Mode Choke for Signal Lines



[WE-BMS](#)

BMS Transformer



[WE-AGDT](#)

Gate Drive Transformer

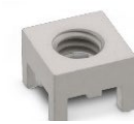


[Ferrites for Cable Assembly](#)



[WE-PFC](#)

PFC Choke



[WE-Redcube](#)

Pressfit



[WE-PD HV](#)

SMT Speicherdrossel (High Voltage)

# NEW MOBILITY

## Further Information

- [Emobility campaign](#)
- [Webinar: SiC Gate Driver Systems with WE-AGDT series](#)