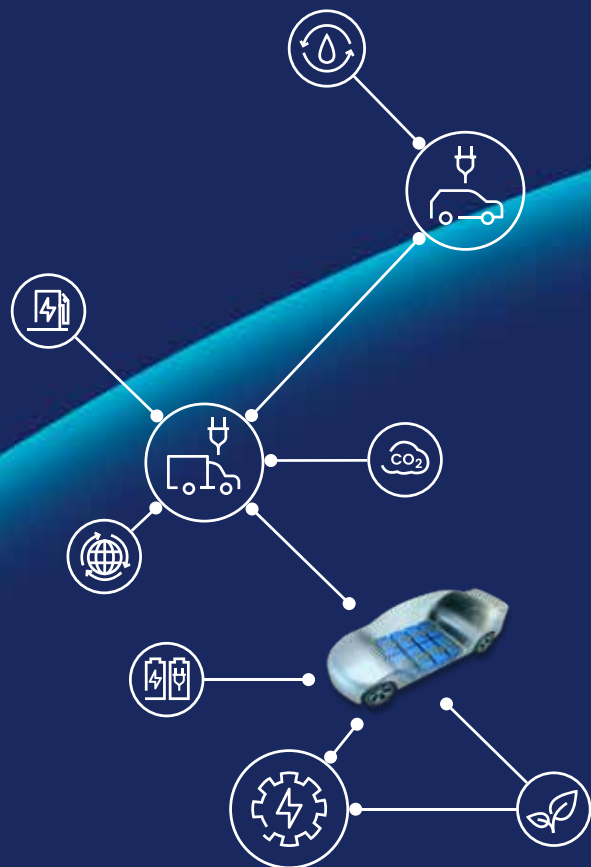


The Witzenmann Group

Close to the customer

The Witzenmann Group is the leading expert in the safe transmission of media and energy. It spans the globe with 22 locations worldwide in Europe, Asia and America. As a preferred engineering partner, Witzenmann is shaping the change of the automotive industry and developing customized solutions. The products not only cover classical applications in the vehicle industry and aerospace but are ever expanding into new markets such as e-mobility and H2 applications.



Products for New Mobility

Solutions from the market leader

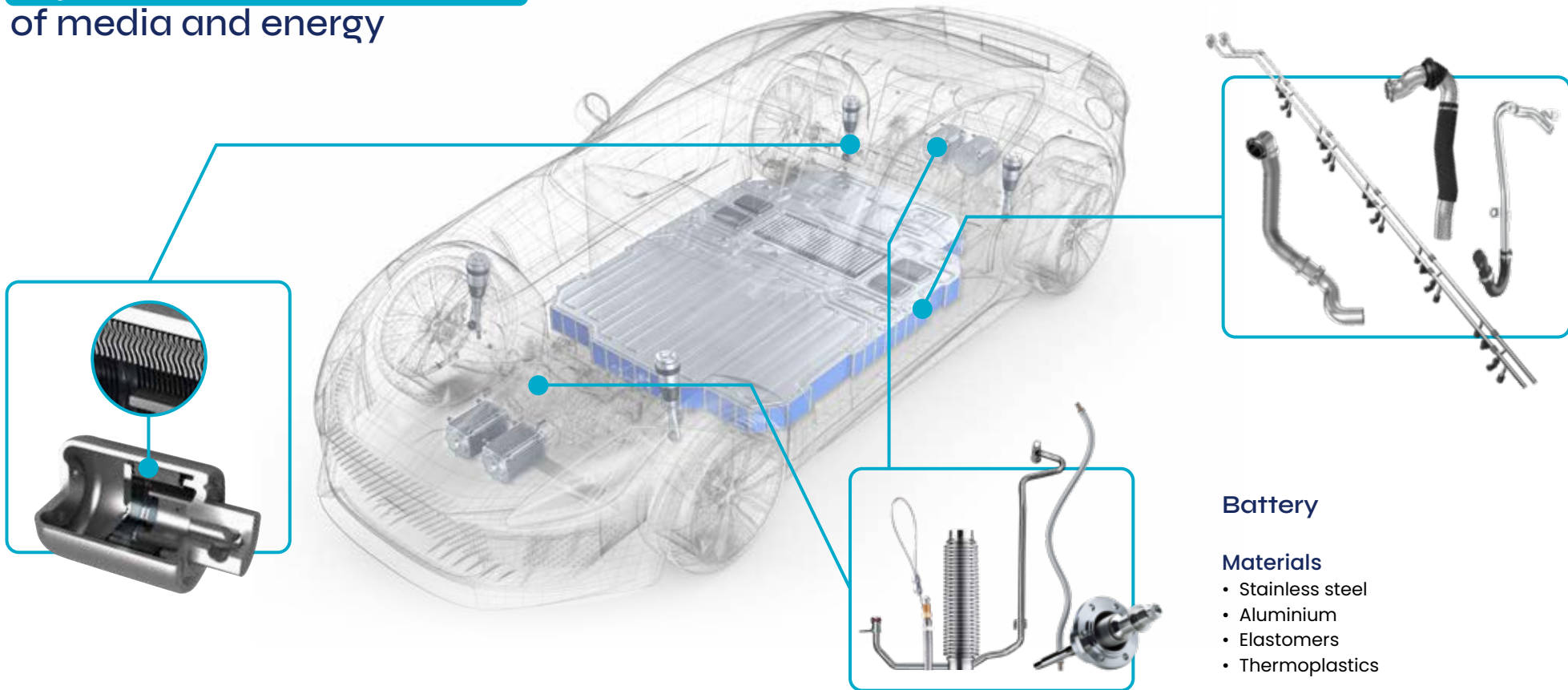


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 **witzenmann**
MANAGING FLEXIBILITY

Experts for safe transmission of media and energy



Chassis / Hydraulic systems

Accumulator

- Energy storage/recovery
- Volume compensation
- Pressure pulsation damping
- High standard of technical cleanliness
- Compact design
- Consistent product characteristics throughout the working life
- Maintenance-free

Fuel cell / H₂ combustion engine

Pipes and vibration decoupling

- Complete product-portfolio of hydrogen-resistant stainless steels (resistant to hydrogen embrittlement)
- Designed for system-typical high pressures
- Stable properties over life time
- Resistant to permeation
- Geometrical adaptability
- Common connection joints

Battery

Materials

- Stainless steel
- Aluminium
- Elastomers
- Thermoplastics

Cooling pipes and piping systems

- Metallic flexible media pipes
- Space-saving and lightweight design
- Modular design with individual connectors
- High temperature resistance (fire resistance acc. ECE-R100)

Venting pipes

- Metallic pipes for directional venting of batteries
- Temperature resistance up to 1,000 °C
- Increased safety in the case of an accident and thermal propagation
- Geometrical adaptability