



ZBT GmbH



ZBT is one of the leading German research centers for fuel cell technology. With more than 100 highly skilled technical experts, ZBT offers independent engineering support for the industry, focusing on the topics

- Fuel cells for mobile applications
- Fuel cells for stationary applications
- Hydrogen production
- Hydrogen infrastructure
- Li-Ion battery development

Coordinator Emobility

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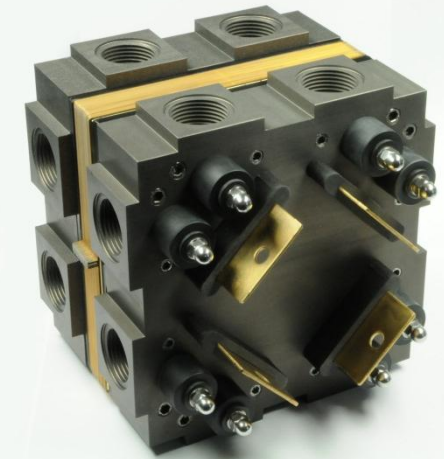
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Dieses Projekt wird unterstützt durch den europäischen
Fond für Regionale Entwicklung und das Land Nordrhein-
Westfalen



Emobility

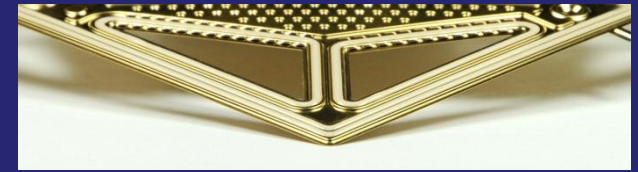


Fuel Cell and Battery Development

ZBT GmbH The Fuel Cell Research Center



Zentrum für BrennstoffzellenTechnik



Engineering Services

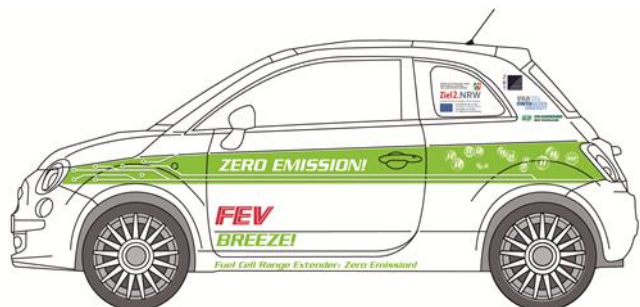
In cooperation with its partner FEV, a leading global automotive engineering company, ZBT offers electric powertrain development support for automotive OEMs and suppliers

- Powertrain development support for FCEV and BEV
- Simulation
- Benchmarking
- Software
- Testing
- Production solutions
- Quality control
- Certification services



Infrastructure

- 1200 m² laboratory
- Flexible testbenches with advanced measurement and analytics
- 3 climatic chambers w/ vibration testing
- Accredited testing laboratory for fuel cell technology (PBT)
- 160 m² injection molding and compound laboratory
- Prototype production line for fuel cells



Reference Project: Fuel Cell Range Extender



System

- 30 kW automotive stack
- Metallic BPP > 300 cm² active area
- Dry cathode, liquid cooling
- Integrated BoP

Partners

- FEV GmbH
- Gräbener Maschinentechnik GmbH
- VKA RWTH Aachen University
- ZBT GmbH

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Ziel2.NRW Ministerium für Wirtschaft, Mittelstand und Energie des Landes Nordrhein-Westfalen
Regionale Wettbewerbsfähigkeit und Beschäftigung



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