

RLE | Electric Vehicle Development

Alternative drive systems

Over the past few years, there has been an immense increase in interest in electric vehicles, with all automobile manufacturers focusing their attention and research activities in this field. The new understanding of mobility has resulted in new challenges for vehicle construction, the accomplishment of which requires a lot of capacity building and high innovative energy.



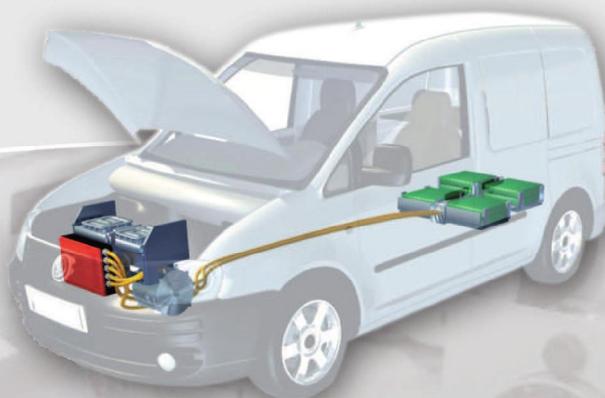
As a renowned service provider for development, RLE INTERNATIONAL is concentrating on the new technologies involved in electric mobility and supports its customers with proven expertise and considerable practical experience.

RLE supports and advises its customers with new developments and prepares step-by-step strategies for the optimum fulfilment of the demands made of the E-mobility project. Important steps such as the selection of components or the comparison of different technologies are discussed together with the customer. The objective is to direct the project into the right direction right from the start in dialogue with the customer. RLE has developed the Vehicle Operating System (VeOS) for powertrain control and control of all peripheral components. The focus was particularly on the implementation of safety features and the communication of individual components. Besides this all-in-one solution, RLE also offers the integration of individual components as well as the design of vehicle communication networks. Solutions for various powertrain configurations and comfort functions - e.g. an electronic differential - are also already available.

Long years of specialist experience guarantee quality

RLE engineers use their experience from a wide range of projects for international vehicle manufacturers and suppliers:

- Technological support, benchmark and conception
- Design architecture and specification
- Software development
- Simulation and testing (SIL, HIL)
- Development and integration of battery pack
- Integration of high-voltage and 12V vehicle electric system
- Prototype construction



RLE INTERNATIONAL

The RLE INTERNATIONAL Group is one of the world's leading development, technology and consultation service providers to the international mobility and energy industries. On the basis of many years of development and methodic competence, we provide innovative and effective solutions for our customers in the fields of Mobility, Services and Energy. Our expertise involves the fields of vehicle development, powertrain, chassis engineering in particular, as well as electronics, e-mobility and lightweight design.

Innovative spirit, flexibility and high levels of technical sophistication are the catalysts of our corporate success.

Locations in Europe, North America and Asia allow us to remain close to our customers and we rise to the associated challenges with courage and passion. Our innovation platform "RLE nova" picks up on future-oriented topics and is working on utilising these for advanced technological development in society.



Mobility | Effective and technologically sophisticated solutions in the field of vehicle and component development constitute our core business. Our expertise involves the fields of vehicle development, powertrain, and chassis engineering in particular, as well as electronics, e-mobility and lightweight design.

Services | Our Business Services & Consulting business segment sees itself as a strategic partner for original equipment manufacturers, suppliers and dealers. The focus of the service offer is on Product Lifecycle Management, Sales & After Sales and Technical Documentation.

Energy | Whether complete or prototype developments, whether as a stand-alone solution or the optimisation of series production – wind turbines are our business. Our core competencies in wind energy include development, simulation, design and calculation, drive concepts and electronics.

RLE nova | The innovation platform founded in 2005 specifically addresses the challenges of the future and develops technological solutions to overcome them. In this regard, the initiative focuses on sustainability-related topics such as the environment, energy, e-mobility and material efficiency.

Further information:

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