



# Energy Efficiency and Optimisation

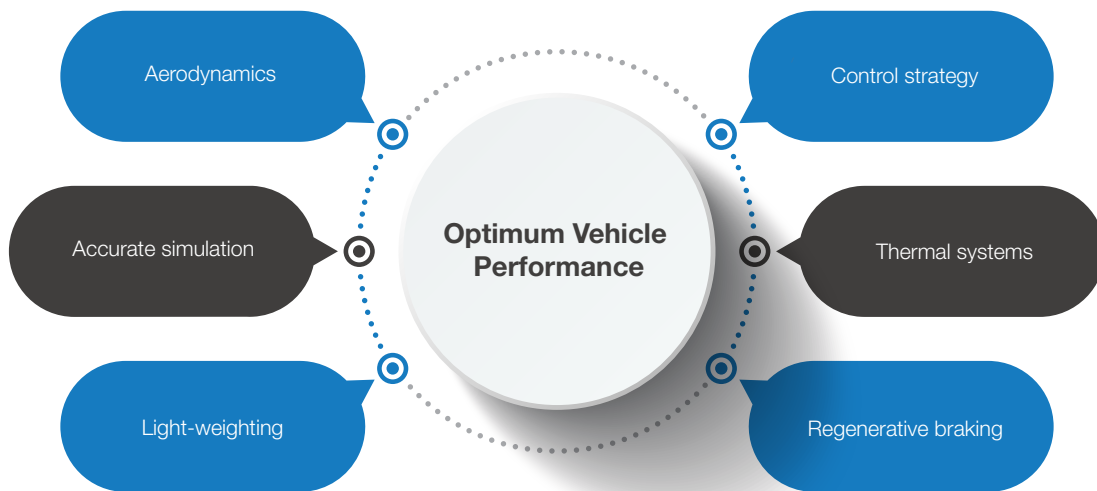
We provide a complete energy efficiency solution for EV and hybrids across a wide range of vehicle types and sectors.

By utilising our world class engineering, test capabilities and systems engineering approach, we close the gap between customer expectation and the reality of xEV performance.

Our experts will independently help you to optimise the performance of your xEV.

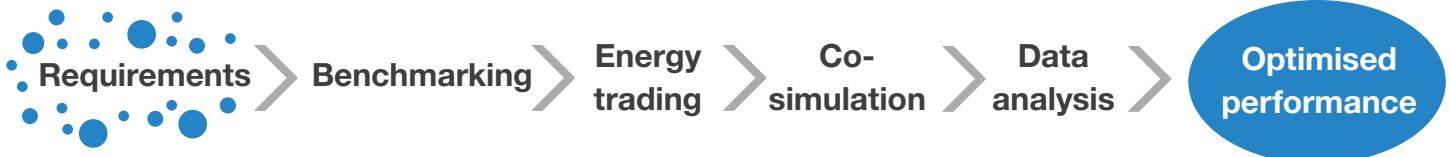
#### Benefits of our service

- Increased branding and sales
- Increased xEV range in real-world driving
- Reduce development costs, customer complaints and programme risk





# Energy Efficiency and Optimisation



State-of-the-art facilities and engineering expertise enable us to benchmark, capture and trade vehicle and system level targets holistically across multiple areas / attributes, resulting in higher efficiencies and greater energy efficiency for our customers' products.

We use the latest tools and co-simulation techniques to create virtual environments that drive faster and more efficient development.

Our comprehensive data analysis also feeds high accuracy and fidelity simulations to reduce risk and programme duration.

### Independent

- Component agnosticism allows for efficiency-based decisions rather than supplier-biased solutions
- Accurate, reliable data drives real-world targets
- Fresh outlook on programme targets

### Virtual

- Huge project savings available in terms of time, cost and risk
- Accurate simulation models and virtual platforms give a head start to our clients either in minimised risk and rework or direct reduction of project timescales
- Design of Experiment (DoE) allows new complex testing procedures to be conducted quickly and efficiently

### Holistic

- Energy trading at vehicle level gives better efficiency gains
- Breaks down the traditional attribute 'silos'
- Coherent and strong team across multiple areas
  - Software and controls
  - Thermal
  - Electrical
  - Mechanical
  - Battery