

# SCALE FASTER, ELECTRIFY SMARTER FROM CONCEPT TO PRODUCTION

## END-TO-END CAPABILITY ELECTRIFIED PROPULSION SYSTEM PRODUCT DEVELOPMENT FROM CONCEPT DESIGN AND ENGINEERING THROUGH TO QUALITY-ASSURED SERIES PRODUCTION AND SUPPLY.

Ricardo is a trusted provider of electrification solutions to OEMs and tiered suppliers, offering support for the development of **propulsion system technologies which prioritise reliability, durability, cost-effectiveness and high performance.**

From concept and prototype through to production and in-service support, we work with clients across a diverse variety of industries to create **truly comprehensive turnkey solutions** which meet complex technical and operational programme requirements.

With Ricardo's renown engineering and manufacturing expertise across the full electrified propulsion system, including **battery systems, power electronics, motors, inverters, and transmissions**, we are ideally positioned to deliver end-to-end solutions to help you seamlessly transition to electrification.



### OUR OFFERING

- **Feasibility studies and prototype support** to guide investment and development decisions
- **Design and engineering** solutions of full propulsion systems or individual components
- **Simulation and analysis** using advanced tools and methodologies to optimise system performance
- **In-house test and validation** support across the electric powertrain
- **Manufacture and supply** of high precision transmissions and gearboxes in niche volumes
- **Industrialisation support** to assist clients with new product introduction and troubleshooting of production challenges
- **Through life support** of programmes including spares provision and supply chain management support
- **Life cycle assessment** of the full electric propulsion system to help to meet sustainability goals



AEROSPACE



COMMERCIAL VEHICLE



DEFENCE



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**READY TO CREATE YOUR BESPOKE SOLUTION?**

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