Since its inception Ricardo has continuously developed innovative solutions and technologies to global appraise across the automotive, off-highway and commercial vehicle industries.

Why new technology is needed: Market drivers, legislation, business trends, consumer etc.

Ricardo delivers world class strategy, engineering and technology programmes (engine, transmission and vehicle) to the leaders in the global automotive industry always focusing on customer profitability.

Insert slide to describe what we do, how we use technology etc. and why it core to our business – bridge previous and next slide.

A high level Roadmap identifies key strategic issues for a given sector from market drivers down to sub-system level components.
Ricardo Torque Vectoring™ technology provides class leading vehicle dynamic enhancement consistent with next generation premium brand requirements and is a successor to LSD & ELSD.

Future technologies to meet legislation and tackle climate change are at the centre of our research activity. Automotive safety technologies are also being developed from an increasing R&D spend.

Ricardo are developing eDCT for:
- DriveWise 1 (TVRD)
- DriveWise 2 (SbW)
- EfficientC Hybrid
- Efficient Gasoline
- HyTrans
- Alfa Eu5 + SCR
- Lean Boost
- SIDI TwinBoost
- Military e-4x4
- Low Cost e-AMT
- Low Cost e-DCT
- Vertical FWD installation
- − Transverse FWD installation
- − Cross axle torque achievable = 1400 Nm, Electro-hydraulic or electro-mechanical actuation
- − Roto-Linear Actuator (2007)
- − Linear Electric Actuator (2002)
- − 4xBLDC clutch packs

Future alternative transmission choices will emerge and force adoption of new technologies. Our eDCT programme capitalises on new technologies in order to bring low cost DCT to the mass market.

Whether a production programme, collaborative research or a technology demonstrator, Ricardo has a track record delivering programmes that set the pace of automotive technical development.

Summary

Ricardo’s early innovation enabled it to become the world’s leading independent specialist in Dual Clutch Transmission (DCT) technology and its involvement in over 25 DCT projects.
Some of our other activities...

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