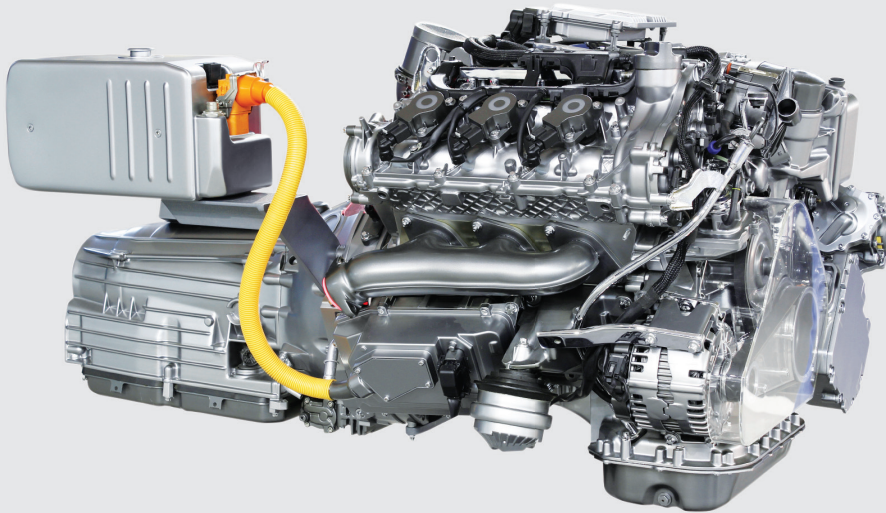


# POWERTRAIN SYSTEMS

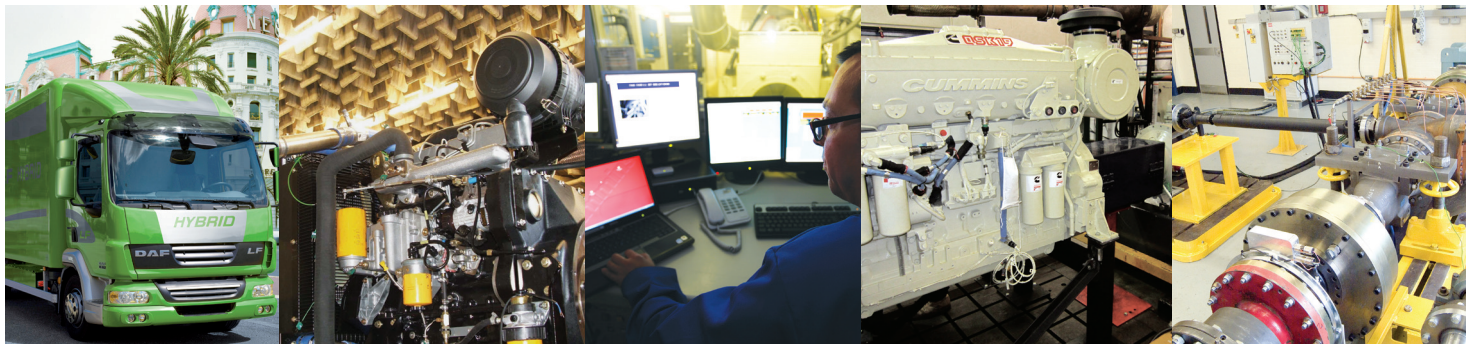


## SET YOUR MARK FOR SUCCESS.

CSA Group has significant experience testing powertrain and full driveline systems in the transportation sector. Our extensive UK based facility offers solutions to a diverse range of engine, full vehicle, electric motor and driveline testing. We work together with our customers to provide standardised tests, bespoke solutions or problem resolution, meeting the requirements of agreed 'DVPs' or as 'one-off' test protocols. CSA Group have modern test control systems combined with a range of test cells & dynamometers which can handle engine powers up to 2.1MW offering reliable & dynamic testing. Our highly experienced and flexible engineering team provide support throughout your testing programme, focusing on high quality data, excellent communication and timely delivery.

[www.csagroup.org](http://www.csagroup.org)





## EXPLORE UNLIMITED OPPORTUNITIES

CSA Group's comprehensive test laboratories are configured to support you in developing the latest technologies associated with lightweight vehicle structures, advanced driveline systems, premium interiors and connected vehicles.

### Our testing and certification offering includes:

#### Engine / Driveline:

- Engine Testing (up to 2.1MW)
- Emissions Testing
- Chassis Dynamometer
- Semi Anechoic Chamber
- Tilt Table
- Axle / Transmission Testing
- Driveline Testing
- Cooling Assessment / Trials
- Air / Fluid Thermal Cycle
- Pipe Testing (Burst / Pressure / Pulsation / Climatic)

#### Low Carbon / Hybrid:

- Dual Fuel / Methane Equipped Engines
- Electric / Hybrid Motor Testing
- Fuel Economy
- Hybrid Driveline Testing
- Driveline Efficiency

#### General:

- NVH assessment
- Bespoke test rigs
- Flexible Modular Rig Construction
- On-site Instrumentation
- On-site Fabrication / Machining
- ISO 17025 Test Lab
- ISO 17025 approved calibration

We will work directly with you to deliver an efficient testing plan from component level to full vehicle in our powertrain test laboratories, which will meet both the demands of your customers and those of the regulatory authorities.

**CONTACT US**  
**TO FIND OUT MORE...**

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