

Senior Engineer - Test and Development

Full Time, Permanent

Drive System Design Ltd (DSD) is a highly respected and innovative engineering business operating in a variety of sectors including automotive, off highway and renewable energy. They provide a full product engineering and development service supported by expert knowledge of state of the art design and analysis tools ensuring we deliver the highest quality service to customers, many of which include the world's premium car manufacturers.

Headquartered in Leamington Spa, Warwickshire DSD employs close to 100 people including c. 20 based at their Tech Centre in Detroit, USA. Demand for their expertise and services continue to increase as demonstrated by their year on year growth over the last 5 years. This growth has enabled significant investments in people and facilities e.g. DSD is now the largest independent transmission test facility in the UK. DSD will grow further with a substantial part of its business now in electrification.

We are looking for an enthusiastic, professional engineer to join our engineering team in our fast growing busy engineering design consultancy. The successful applicant must be willing to work in a fast paced, ever changing environment and will become an integral part of the busy Test and Development Engineering team.

Outline of Role and Responsibilities

- Working within the Test and Development Engineering team, the successful candidate will work immediately on consultancy projects for leading OEM / Tier 1 customers with support from highly experienced staff.
- Assumes technical responsibility for small to medium sized projects or tasks.
- Project manager responsibilities for small projects.
- Regularly assesses technical progress against project plan and milestones.
- Prepare test specifications and specify test rig requirements including instrumentation and fixture tooling.
- Prepare data logging equipment, perform instrumentation wiring and calibrate instrumentation.
- Ability to conduct both rig and vehicle tests without supervision.
- Plan and co-ordinate supplier and external testing.
- Liaise effectively with technical staff through analysis of test results, preparation of concise technical reports and presentations, both internally and to the customer.
- Supervise technicians with regard to build, testing and measurement procedures
- Participate in structured problem-solving teams and maintain supporting documentation.
- Strong verbal and written communication skills and able to communicate technical progress to senior engineering staff and customers.
- Actively develops the capability of colleagues throughout the business.
- Develops and maintains positive working relationships with colleagues, customers and suppliers while being passionate about meeting customer expectations.
- Strives to continuously improve individual performance through the acquisition of new skills and knowledge.
- Prepared to travel both within the UK and abroad as required in order to successfully deliver customer programmes.
- There will also be a requirement for occasional late working to complete work to deadlines.

Essentials Skills and Experience

- Degree educated in mechanical engineering or related discipline.
- Full UK Driving Licence.
- Minimum of 3 years' experience of Automotive Powertrain Development including both Rig & Vehicle based transmission Test programmes as well as specification and use of instrumentation & PC based data acquisition systems.
- Ability to setup mechanical test systems.
- Ability to perform mathematical analysis and draw conclusions from the results.
- Good understanding of instrumentation and automotive electronics.
- Experience with Matlab and/or Labview .

Preferred Skills and Experience

- CAN bus knowledge and related software (Vector CANape, ETAS INCA).
- Programming knowledge - Simulink, Visual Basic, Labview.
- Experience of testing transmissions or automotive hybrid/electric vehicle systems would be advantageous.

Apply with CV and covering letter, including as much information as possible to Catherine Comber via the email above.