



Honda Racing Development UK Ltd

PERMANENT VACANCY

JOB TITLE: ERS Test Engineer
REPORTING TO: Cell Block Production Department Manager
DEPARTMENT: Cell Block Production
APPLY TO: hondaracingjobs@uk.hrdeu.com

ROLE:

Honda is seeking an ERS Test Engineer to join the business on a permanent basis based in Milton Keynes. The purpose of this role is to work within the Energy Recovery System (ERS) development and testing team, taking responsibility for component, subsystem and system level testing of primary high voltage circuit, inverter, dc-dc converter and overarching battery management system. It is responsibility of this engineer to define test procedures, test equipment and carry out analysis of test data to identify issues before they could occur at the track. Methodical approach to fault finding, troubleshooting and implementation of countermeasures is vital in this role. The initial focus of this role will be to support existing ERS test facilities, however, there are opportunities to devise and commission new test equipment.

MAIN RESPONSIBILITIES:

- Define acceptance testing procedures, test equipment and pass / fail criteria
- provide engineering support to the build team
- analyse test data to capture any issues prior to track use
- investigate issues, faults or anomalies on ERS packs:
 - review test data and lead the investigation by sharing findings with supplier or subcontractor
 - feedback findings to other team members to improve reliability or performance
- be proactive at improving current testing methods and streamlining testing
- plan, execute and document test activities in a clear, concise manner
- support commissioning of new test equipment
- schedule maintenance of test equipment
- define service content of production components
- carry out selection of components for race assemblies
- any other tasks as reasonably required by the Company

KNOWLEDGE, SKILLS AND EXPERIENCE REQUIRED:

- Significant ERS exposure and experience
- Advanced user of data logging systems and analysis packages for F1
- Advanced ERS / Battery analysis, monitor and development experience
- ERS testing methodologies
- Experience in validating high voltage battery systems and/or power electronics
- Experience in designing, specifying and use of high voltage system production tools / equipment
- Strong fault finding and diagnostic abilities

- ATLAS/System Monitor experience highly desirable
- AVL Puma system experience advantageous
- Excellent document presentational skills
- An adept communicator, be able to build good relationships across all cultures both internally and externally
- Fluency in spoken & written English is essential. Competence in Japanese or another European language is desirable
- Domestic Travel and Travel overseas will be required
- Full Driving license and competence to drive in the UK
- PC literate

PERSONAL COMPETENCIES:

- Strong technical ability and problem solving skills
- High level of attention to detail
- Enthusiastic and self-motivated with high levels of initiative
- Excellent communication and teamwork skills
- Ability to plan and manage own workload / projects
- Engineering enthusiasm
- Analytical
- High integrity
- Problem solving and decision making skills
- Able to work autonomously under pressure and meet tight deadlines

All employees must ensure compliance with the Company Health and Safety Policy, and all relevant other statutory Health and Safety legislation.

Please note that shift working and weekend working may feature as part of this role. Domestic Travel and Travel overseas may be required.

This job description may not detail some less major duties allocated to the post holder, nor cover duties of a similar nature, commensurate with the role, which may from time to time be reasonably required by the relevant manager.