

# **Honda R&D Europe (UK) Ltd. - Motor Sports Division (Milton Keynes)**

## **PERMANENT VACANCY**

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**JOB TITLE:** Senior ERS System Engineer  
**REPORTING TO:** System Engineering Group Leader  
**DEPARTMENT:** ERS Development Department  
**APPLY TO:** Kelly\_Brooks@uk.hrdeu.com

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### **ROLE:**

The role of Senior ERS System Engineer is based within the Energy Recovery System (ERS) development project. The main purpose of the role is to take responsibility for the energy management simulation of the motor sports vehicle or high performance vehicle including the electrical system and mechanical system.

Additionally, Senior ERS System Engineer is also responsible for the system design optimised in the restriction of regulation.

### **MAIN RESPONSIBILITIES:**

- Carry out simulation of complex model including vehicle dynamics, electric model and mechanical drive train model, and build optimal energy management and thermal management strategy
- Interpret motor sports regulation and build optimal electrical system within that restriction
- Create a cloud database that integrates test and driving data and build a development process that feeds back the data to the next development
- Analysing the technology, and trends of current/post E-Drive and create technical reports
- Document, report, prepare presentations on findings, evaluation, recommendation, and on-going project updates
- Any other tasks as reasonably required by the Company.

### **KNOWLEDGE, SKILLS AND EXPERIENCE:**

- Skill of vehicle dynamics, electric of Automotive hybrid systems simulation
- Battery system management or Energy management system development experience
- Knowledge of cloud system and database management
- Mechanical design of drive train
- 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

- 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.

The role may involve travel both in the UK and overseas. Please note that shift working and weekend working may occasionally feature as part of this role.

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.