Job Description

Job title: Propulsion System Technician
Team: Engineering
Reports to: Technical Services Manager
Line manages: No line management responsibility
Primary Location: Bristol & Bath Science Park

Working at IAAPS

At IAAPS we work inclusively to bring together creative and inventive minds to the greatest challenges. As a team, we believe that diversity of experience, perspectives, and backgrounds leads to a better culture, where our people feel that they belong, contributions are recognised and rewarded, learning is actively encouraged, and difference is celebrated. Our values are:

What's involved?

As a world-leading R&I centre that supports the wider transport sector in the transition to net zero, we have great ambitions – namely, to solve the industry's biggest challenges by creating the technologies, tools and systems needed to accelerate the move to clean, affordable and sustainable mobility.

We are a commercial subsidiary of the University of Bath, and our world class facility based at the Bristol & Bath Science Park ranks among the top three independent institutions of its type in the world. With a team in place that brings together specialists from across industry and academia and a range of highly prestigious commercial partners within the automotive, aerospace and marine sectors, IAAPS is now firmly moving into a scale up phase.

The key to our success? Put simply, it's our people. We are a dynamic SME operating at the forefront of future low carbon mobility, therefore everyone's contribution matters and makes a real difference to what we achieve together.

The role will involve:

- Building effective cross-functional relationships to foster and maintain a high-performance team environment.
- Working collaboratively with teams and individuals across a range of projects, changing on a daily or weekly basis, you will provide technical support across the facility to deliver research and commercial projects.
- Day-to-day maintenance of test rigs, facilities, and vehicles, primarily located at the Bristol & Bath Science Park (Bristol), but occasional support of facilities located at the University of Bath Campus in Bath.
- Fabrication and assembly of components, using the following key skills machining (turning, milling, CNC), welding, metal work, hydraulic assembly (pipe fitting) and use of hand tools.
- Assembling test rigs to specification, applying the skills above to meet technical drawings.
- Instrumentation installation within test rigs, engines, and vehicles.
- General vehicle and powertrain maintenance duties, including vehicle inspections and fault diagnosis.
- Conducting propulsion system and vehicle testing on a variety of dynamometers and on road.
- Operation of IAAPS test facilities under the guidance of the Engineering team.
- Maintaining safe working areas and best practice standards within the test facilities.
- Contributing to technical discussions with the Engineering Team and customers and making recommendations on projects.
- Ensuring adherence to IAAPS Quality Policies and Processes.

What do I need?

- C&G, NVQ level 4 or BTEC Higher National Certificate / Diploma in Mechanical or Automotive Engineering or equivalent qualification.
- Served a recognised Engineering / Vehicle apprenticeship in an engineering environment.
- Previous experience in an automotive or research environment would be advantageous.
- Demonstrable experience of mechanics, hydraulics or electrical systems.
- Machining and/or Welding skills is highly desirable
- Good communication and relationship-building skills; ability to adapt personal style to different audiences, provide feedback, influence, and challenge effectively.
- A commitment to contribute and engage in meaningful team discussions, lessons learned, and problem-solving.
- Demonstrate excellent attention to detail.
- A collaborative, proactive self-starter; confident owning activities and processes and working with the team to drive improvements.
- Problem-solver; ability to analyse and assess information and situations, and present creative solutions to challenges.
- A flexible approach to work, with the ability to seek out opportunities to engage in learning, and meaningful development.

- Ability to proactively manage competing demands and deadlines; comfortable and able to act on initiative and deliver outside of your role to achieve results for the team.
- Compliance to our ISO9001 Quality Management and ISO27001 Information Security Management System Policies and Procedures.