

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:

**Trusted
& credible.
An Influencer**

Globally recognised for our expertise and industry-focused R&I; we attract and invest in the brightest minds to solve the greatest challenges within automotive propulsion.

Collaborative

We work inclusively to bring together the best minds to solve challenges. Our partnerships go beyond the transactional. We work flexibly with our partners to co-create solutions and insight.

**Thorough &
committed
to quality
delivery**

Intellectually rigorous and investigative; we step back from problems to explore challenges and deliver quality insights to our partners.

Curious

We value and invest in the people, systems and processes needed to deliver for our partners.

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 build 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.