

Mechanical Test Engineer

Location: Bristol, UK

Salary: £30-50K DOE

We are looking for a talented Mechanical Test Engineer to join our team in Bristol.

About Oort Energy

We are a leading innovator in clean energy technologies, focused on advancing hydrogen electrolysis for scalable and cost-effective sustainable fuel. Our mission is to accelerate the global energy transition by delivering breakthrough solutions in electrolyser efficiency, durability, and system integration.

As a member of our team, you will play a vital role in the future innovation of hydrogen electrolysis, contributing to our core technology electrochemical stack design, stack and stack component selection and testing, and provide technical advice and leadership to our cross-functional teams.

If you are seeking a career where your skills align with a company committed to driving down the cost of green hydrogen and sustainable aviation fuels, facilitating the transition to net-zero, then we look forward to receiving your application.

The Position

- We are looking for proactive Mechanical Test Engineer to be responsible for development and test engineering activities associated with our electrolyser stack.
- Working with our Senior Mechanical Engineer, you will join our small, dynamic R&D team in Bristol. You will be a hands-on engineer, splitting time between practical test work and the development of test systems.
- You will support the design, development, and optimisation of our electrochemical stack and components for our hydrogen electrolyser products to improve efficiency and reduce cost.

Duties and Responsibilities

- Manage and run stack and stack component test programs. Own the testing function to plan equipment utilisation, set up test equipment, monitor tests to deliver results.
- Analyse test data and produce technical reports.
- Monitor performance of systems in the field.
- Communicate findings and advise project teams on interpretation and implication of results on current development programme.
- Design, develop and commission new test equipment.

- Contribute to system integration, installation, and maintenance strategies with a focus on durability, safety, and performance.
- Maintain and improve equipment and ensure test equipment meet HS&E requirements.
- Support other engineering and manufacturing activities as required. Lead product fault diagnosis for manufacturing/test issues.
- Select and purchase test equipment and instrumentation
- Collaborate with cross-functional teams and external companies including, electrical, and software engineers to integrate stack testing equipment.

Person Specification - Knowledge, Skills, and Experience

Attributes	Essential Criteria	Desirable Criteria
Knowledge	Good knowledge of mechanical engineering principles.	Bachelor's or Master's degree in Mechanical Engineering, Electromechanical Engineering or a related field.
		Experience of a R+D or QC testing environment.
Skills	Excellent communication skills including the ability to convey technical information effectively.	Report writing and presentation experience
	Strong problem-solving skills, hands-on approach, and attention to detail.	Experienced CAD user (SolidWorks preferred)
		FEA experience
Experience	Minimum 3 years industrial experience	Experience working with pressure systems.
	Experience in the development of electromechanical products.	Experience in hydrogen or other flammable gas systems, electrolysers, or fuel cell technology
	An understanding of risk management.	Understanding of safety standards and techniques.
		Experience with PLCs, microcontrollers, sensors, and actuators.