



Job Title	Test Technician
Location	West London, UK
Type	12 month fixed term with view to turn permanent
Salary	£27,500
Holiday	25 days + public holidays

About Supercritical:

Supercritical is developing the world's first high pressure, ultra-efficient water electrolyser for green hydrogen production. The system will be capable of overcoming many of the limitations experienced by today's incumbent electrolysis technologies. By harnessing the benefits of heat and pressure, Supercritical's proprietary design enables us to operate in the region of the highest electrical efficiencies seen commercially today, whilst delivering hydrogen at high pressure which is perfect for storage. The resultant green hydrogen and oxygen products that we produce can be used to decarbonise heavy industry, chemicals, transport and more. We have recently closed a £2.6million funding round and have announced two incredible projects - [WhiskHy](#) and [GreenH₂](#).

Globally 'Top 50 to watch for climate action' - CleanTech Group
Top5 Zero Emission Solution to watch in 2022 (StartUS Insights)
Runner-up and People's Choice in 'Shell's 2021 New Energy Challenge'
Finalist 'Hydrogen Hypothesis' - OZ Minerals

The opportunity:

Supercritical is looking for a Test Technician to join our lab research and development team, based in west London. The role will suit an applicant with a good background in lab-based experimentation. This is an opportunity to join an exciting and purpose-driven startup.

Founded in 2020, Supercritical has built its proof-of-concept, secured private and public funding and is building its first multi-cell module. You will join an exciting and fast-moving company that is intent on disrupting the energy industry and enabling a net zero future. An electrolyser is a complex electrochemical system which can sit in any number of value chains. Supercritical's key sectors include chemicals, energy, heavy industry and transport, and we need a Test Technician to run our test stands. You'll work with high pressure, intermediate temperature test stands, carrying out the test plans and the projects they're contributing to.

We're really excited about expanding and diversifying our team. Coming from a diverse background ourselves, we do not discriminate regardless of disability, gender reassignment, marriage and civil partnership, pregnancy and maternity, race (including ethnic or national origins, colour and nationality), religion or belief (including lack of belief), sex, sexual orientation or any other characteristic. We can't wait to have you on board!



Accountabilities:

- Conducting high-quality testing to support product development
- Adhering to test procedures to meet research and development requirements
- Assisting in the improvement of testing procedures and processes to enhance the quality and consistency of testing
- Calibrating and maintaining equipment
- Meeting testing deadlines as per the plan
- Reporting any variances or issues that affect test results
- Collaborating with a team to achieve goals
- Strictly following all safety and operating procedures in the lab
- Coordinating and communicating work with the wider team

The ideal candidate will possess:

- A degree in science or engineering
- Experience in lab-based research/testing
- Strong analytical skills, problem-solving abilities, and a team-oriented attitude
- Experience with high pressure and high temperature fluid systems, with knowledge of supercritical water conditions being an advantage
- Experience in maintaining and operating test stands
- Knowledge of risk assessments & good lab practice.
- A passion for product development and a commitment to a net-zero environment
- Strong organisational and communication skills
- Proactivity and self-motivation
- Knowledge of laboratory health and safety protocols
- Ability to understand and execute standard operating procedures
- Familiarity with unexpected results or issues

Additional desirable qualifications include:

- Experience in electrolyser cell system testing
- Basic knowledge of data logging and hardware control
- Experience in automation, high-throughput experimentation, data science, programming, and research development
- Knowledge of HAZIDs and HAZOPs
- Training in first aid and fire warden for a lab/workshop environment
- High-level understanding of electrochemical technology and equipment for troubleshooting purposes.

Direct applicants only - no agencies.

Supercritical is not in a position to sponsor overseas applications.