



Job Title	Test Stand Engineer
Location	Supercritical HQ, West London, UK
Type	Permanent
Salary	£45,000–£55,000 per annum, depending on experience.
Equity	We want our team to be invested in the business, rewarded through the creation of value. All new full-time employees are invited to join our tax efficient share scheme .
Holiday	25 days + public holidays
<p>We are committed to finding the best candidates, so if you're excited by the prospect of joining Supercritical then we encourage you to apply, even if you don't meet all of the requirements. Your unique skills and experiences may be exactly what we're looking for.</p> <p>Whether you're motivated by technical challenges, opportunities for growth, or being part of a mission-driven organisation, you'll find a welcoming environment at Supercritical. We value trust and transparency.</p> <p>Supercritical is proud to foster an inclusive environment. We believe diversity drives innovation and we ensure that every team member feels welcomed, valued, and empowered to succeed. We encourage applicants of all genders, ethnicities, backgrounds, and abilities to apply and help shape the future of clean energy.</p>	
Other Benefits	<ul style="list-style-type: none">• Flexibility and Supportive of Balance (Flexible start and finish times, home working and working abroad).• Take advantage of our parental leave policy with 3 months' full pay for mothers and fathers.• Access growth opportunities with wide exposure and development support.• Receive support for training and accreditation, including professional fee coverage.• Join monthly team days and lunch outings.• Celebrate key team milestones together.• Benefit from a pension scheme with 3% employee contribution and 5% employer contribution.• Earn referral bonuses for successful hires.
Learn more about us at the end of this document or at www.supercritical.solutions .	



The Opportunity:

Supercritical is looking for a Test Stand Engineer that will enhance our test team and move us towards our goals of scaling our cells and modules through improving our testing capabilities, increasing the functionality of our test stands and constantly raising the bar in our data quality and test outputs.

You will be passionate about diving into complex problems to pioneer innovative and novel solutions for our challenging operating conditions, while asking “How can we do this better?”. You will come from a scientific or engineering discipline and will have a well-honed capability in testing, applying your capabilities to advance test development in a structured way.

You will join an exciting and fast moving company that is intent on disrupting the energy industry and enabling a net zero future.

What you'll do:

- Optimise Supercritical's proprietary catalyst and single cell test stand designs to improve accuracy, reliability and durability.
- Document changes and improvements to test stands in a structured way.
- Source and integrate suitable instrumentation and process equipment.
- Design bespoke test parts and assemblies.
- Manage spare and replacement parts inventory.
- Carry out preventative maintenance of test rigs to improve reliability.
- Collate regular progress reports and provide feedback on usability and serviceability.
- Test returned or faulty products and samples.
- Identify improvements and optimisations to test stands.

Direct applicants only - no agencies.

Supercritical is not currently in a position to sponsor overseas applications.



About you

Ideally, you will:

- Have a degree in a science or engineering discipline.
- Have more than 2 years of industrial experience.
- Be analytical, enjoy solving problems and working with people.
- Experience of Computer Aided Design (CAD) software and producing technical drawings for manufacture, such as OnShape.
- Trained to use high pressure fittings, such as Swagelok and/or Parker.
- Experience with high pressure and high temperature fluid systems - supercritical water conditions preferable but not essential.
- Experience of designing, building, commissioning, maintaining and operating test stands.
- Have a working knowledge of risk assessments and GLP.
- Be intrigued by product development and eager to contribute.

Desirable

- Have experience in corrosion chemistry.
- Basic knowledge of data logging and hardware control.
- Basic knowledge of HAZIDs and HAZOPs.
- Have experience with testing tools such as Matlab, LabVIEW or TestStand.

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About Supercritical

Supercritical is transforming the future of green hydrogen production with the world's first high-pressure, ultra-efficient water electrolyser. Our groundbreaking technology uses heat and pressure to achieve the highest electrical efficiencies in the industry, producing hydrogen at high pressure for seamless storage and transport. By also co-producing oxygen, our innovations support decarbonisation in heavy industry, chemicals, transport, and more.

We are a well-funded team with years of runway and strong partnerships with leading global organisations. Our mission is to make green hydrogen affordable and sustainable, enabling a cleaner, more equitable future. By eliminating the costly and complex equipment required by traditional electrolysis, we are driving down the cost of green hydrogen and making it accessible to industries around the world.

We live by our values at Supercritical:

- **Purpose** in creating a legacy, driving positive change for sustainability in all we strive for
- **Transparency** in the way we work, the way we share and in our honesty.
- **Partnership** to achieve shared goals, to collaborate at all levels, to welcome challenges and different points of view
- **Trust** in our colleagues, in the rigour of our delivery, and in our respect for others
- **Leadership** in finding breakthroughs, empowering actions, innovating
- **Curiosity** in celebrating ideas, championing our passions, being positively restless

What Makes Us Proud:

- Our patented technology is redefining industry standards.
- We've demonstrated world-leading electrochemical efficiencies out of the lab.
- We are committed to sustainability, designing systems free from PFAS forever chemicals and rare earth metals.
- We're recognised globally:
 - Featured in CleanTech Group's "Top 50 to Watch for Climate Action."
 - Named a StartUS Insights "Top 5 Zero Emission Solution to Watch."
 - Runner-up and People's Choice in Shell's 2021 New Energy Challenge.
 - Finalist in OZ Minerals' Hydrogen Hypothesis.
 - Highlighted in CEMEX Ventures' Most Promising CleanTech Solutions.
 - Listed among Start Up Energy Transition's "100 Most Promising Global Energy Startups."

At Supercritical, we believe that innovation thrives when diverse perspectives come together. We're building a collaborative, inclusive team to create ultra-efficient, cutting-edge solutions for a sustainable future. Join us in solving some of the world's toughest energy challenges and making a real impact on the path to net zero.

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**What it's like to work here:**

At Supercritical, we're not just building cutting-edge technology, we're shaping the future of clean energy. Working here means being part of a fast-moving, deeply collaborative team that thrives on innovation, curiosity, and impact. We operate with trust and transparency, valuing diverse perspectives that drive better solutions. Our culture is dynamic and ambitious, but also supportive, everyone has a voice, and great ideas come from everywhere. Expect to work alongside passionate experts who challenge the status quo, celebrate wins together, and push boundaries to make green hydrogen affordable and accessible. Whether it's solving complex engineering problems, securing partnerships, or scaling our breakthrough technology, every role at Supercritical is mission-driven. If you're looking for a place where your work genuinely matters, where you can grow, and where you'll be empowered to take ownership, you'll feel at home here.

www.supercritical.solutions

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