



Job Title	Pilot Plant Technician
Location	Supercritical North, Wilton, Teesside, UK
Type	12 month contract
Salary	£144-176/day
Hours	Nominal 8 hour days Mon - Fri, however this role will require flexibility to work assigned shifts, which will include evenings, weekends, and public holidays. (Specific shift premiums/details can be discussed during the interview)
Holiday	N/A
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. 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. 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.	
Other Benefits	Flexibility and Supportive of Balance - Flexible start and finish times where possible
Learn more about us at the end of this document or at www.supercritical.solutions .	
Please note that we are not in a position to offer sponsorship. Applicants must have the right to work in the UK for the role that they are applying for.	



The Opportunity:

Supercritical is looking for a Pilot Plant Technician to join our pilot plant operations and development team, based in Wilton. The role will suit an applicant with a good background in plant-based experimentation. This is an opportunity to join an exciting and purpose-driven startup.

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:

- Conducting high-quality testing to support product development
- Assembly and disassembly of test hardware and test equipment
- 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 on site
- Coordinating and communicating work with the wider team
- Be actively involved to support the project management of all works on our Pilot Plant
- Support on site contractors and teams
- Provide support to the Pilot Plant Manager and act as cover during holidays when needed
- Provide support to develop and roll out working procedures, site standards and other live working documents/systems

About you

Ideally, you will:

- Experience in plant-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 or plants, with either a mechanical or electrical, controls and instrumentation focus. You will be expected to be hands-on and willing to address and resolve issues
- A passion for product development and a commitment to a net-zero environment
- Strong organisational and communication skills
- Proactivity and self-motivation
- Knowledge of plant risk assessments & health and safety protocols
- Ability to understand and execute standard operating procedures
- Familiarity with unexpected results or issues
- Be willing to undertake formal or informal training to close any skills or knowledge gaps needed to fulfil the role

Direct applicants only - no agencies.

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



Desirable

- Experience in electrolyser cell system testing
- A degree in science or engineering, either from full time study or apprenticeship
- Basic knowledge of data logging and hardware control
- Experience in automation, high-throughput experimentation, data science, programming, and research development
- Experience in one or more of the following disciplines, mechanical, electrical or instrumentation
- Experience working at an operational facility, exposure to permit to work systems/LOTO
- Knowledge of HAZIDs and HAZOPs
- Experience with Plant P&ID's, SOP's and SDS's
- Training in first aid and fire warden for a plant/workshop environment
- High-level understanding of electrochemical technology and equipment for troubleshooting purposes.

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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, 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, in 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."
 - Named "ClimateHack's top 150 ClimateTechs to watch"

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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