



Process Engineer

Clean Power Hydrogen Group Ltd is a vibrant alternative energy technology company based in Doncaster. Our technology platforms have caught the attention of many organisations both here in the UK and overseas.

As a result, we are looking to expand our engineering design team to development and scale-up our Membrane-Free Electrolysers™

This role is a fantastic opportunity to work in an engineering environment in the hydrogen production sector. We offer a collaborative and friendly work environment that finds cutting edge solutions across a broad range of engineering disciplines. This role also gives you the chance to be part of a business who promotes development and recognises talent and is your opportunity to join a rapidly growing business.

About CPH2:

Clean Power Hydrogen Group Ltd (CPH2) is a leading developer of Membrane-Free Electrolysers™ designed to produce green hydrogen and pure oxygen in a simple, safe, sustainable manner and at any scale. Dr. Nigel Williamson and Joe Scott established CPH2 (Ireland) in December 2012 with the ambition to help clean up the environment for our children and future generations. Entering the green technology sector, a high growth, and profitable market, they developed a Membrane-Free Electrolyser™ to produce hydrogen faster, more reliably, and more cost-effectively than PEM technology, which has barriers to adoption, including cost, reliability, and scalability.

About the job:

As a **Process Engineer** you will report to a Senior Process Engineer and collaborate on projects from concept to commissioning. You will work closely with the mechanical, electrical, production, commissioning, and procurement teams.

Responsibilities will include:

- Perform process design calculations.
- Develop process design documents including:
 - PFDs and P+IDs
 - Component specifications and datasheets
 - Equipment, instrument, and valve lists
 - Sizing calculations
 - Operating procedures
 - Commissioning test procedures
- Assist in developing plant control philosophies.
 - Control logic drawings
 - Shutdown strategy
 - Alarm and set point lists.



- Take part in and carry out actions from HAZID, HAZOP and LOPA
- Assist technical procurement.
- Communicating project updates and latest challenges to engineering colleagues

Qualifications/Required skills:

- Science degree (preferably Chemical Engineering, Chemistry or Physics)
- Organisational and reporting skills.
- Analytical and problem-solving skills
- Be able to manage time and priorities individually and work well as a team.

Desired Skills:

- Experienced with process plant design.
- Knowledge of flammable gases and/or pressure systems
- Knowledge of HAZOP
- Knowledge of hazardous areas
- At least 5 years' post-graduate experience

Start Date:

Start date is as soon as possible.

Salary:

Salary range is £35 000 - £45 000 and will be negotiated depending on qualifications, experience, and skills. Your covering letter should include your salary expectation.

How to apply:

Please send your covering letter including salary expectation and your CV to info@cph2.com stating '**Process Engineer Vacancy**' in the subject line.

You must have the right to reside and work in the UK.

Strictly no agencies.

Closing Date: 15/04/23