



H₂Pro is seeking an electrochemical process developer

H₂Pro is an innovative startup company aiming to revolutionize the global energy market. We are developing a novel hydrogen production technology, which delivers cost effective hydrogen from green and renewable sources.

Job description

We are looking for brilliant and self-motivated electrochemist, which will lead the process development in H₂Pro. H₂Pro develops hydrogen generators based on a novel chemical - electrochemical water splitting process. The process developer will develop and perform chemical/electrochemical experiments to identify our process bottlenecks and optimize our electrodes and system performance. As a key member of H₂Pro R&D team, the process developer will provide leadership and technical direction to support the technology development strategy. This includes the development of novel experimental techniques and conceiving effective solutions to bypass bottlenecks in the process. The process developer plays a key role in integration and coordination between H₂Pro R&D groups.

Targeted outcomes

- Provide deep understanding of the system parameters effect on electrode performance, durability and productivity.
- Identify bottlenecks in the hydrogen production process and provide solutions to overcome them.
- Knowledge exchange between the electrode, process and system development groups.

Key responsibilities

- Optimize the hydrogen production process for maximum productivity.
- Develop and perform novel chemical/electrochemical tests for electrode performance characterization.
- Develop SOP that maximize productivity and durability.
- IP creation

Basic qualifications

- Brilliant and self-motivated electrochemist.
- 5 + years planning and conducting electrochemical experiments.
- Strong problem solving skills.
- Strong leadership skills.
- Results-oriented character.
- Ability to lead and collaborate with cross-functional teams.

Preferred qualifications

- MS or PhD degree in Chemistry / Materials Engineering / Chemical Engineering.
- Demonstrated deep understanding in electrolysis / battery / fuel cell / supercapacitor technologies.
- 2+ year working in alkaline electrochemistry.
- 2+ years of working in a startup company.
- Ability to collaborate across multidisciplinary teams in a fast paced, results oriented startup.
- Ability to prioritize technology programs to reach milestones on time in a cost effective manner.

Contact: Dr. Hen Dotan (hen@h2pro.co); Prof. Gideon Grader (grader@h2pro.co); Prof. Avner Rothschild (avner@h2pro.co)