



H₂Pro is seeking an electrode development group leader

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 materials engineer, chemist or chemical engineer, which will lead the electrode development group in H₂Pro. The electrode group aims to develop optimal electrodes for our novel hydrogen generation technology. This includes: electrode scale up, new electrodes design and fabrication, microstructure and electrochemical characterization, and much more... As a key member of the H₂Pro R&D team, the electrode development group leader will provide leadership and technical direction to support the technology development strategy. Furthermore, the electrode development group leader will play a key role in integration and coordination between other H₂Pro R&D groups.

Targeted outcomes

- Establish an efficient electrode development team.
- Establish a cost effective lab for fast technology development.
- Scale-up electrode fabrication and implement new fabrication technologies.
- Deliver results under tight deadlines.

Key responsibilities

- Develop fabrication methods for nickel and nickel hydroxide based electrodes.
- Scope, design and construct process equipment in labs and pilot plants.
- Recruit, lead, mentor and develop team members.
- Shepherd the projects within the group.
- Strong cooperation between the electrode development group and the other R&D groups.
- Responsibility over the team and lab safety.
- IP creation.

Basic qualifications

- Brilliant and self-motivated materials and electrochemistry expert.
- MS or PhD degree in Materials Engineering, Chemistry or Chemical Engineering.
- Knowledgeable in electrode fabrication, microstructure characterization & electrochemical analysis methods.
- Knowledgeable in electrodeposition and other coating technologies.
- Ability to lead and collaborate with multidisciplinary teams.
- Team player.
- Strong problem solving skills.

Preferred qualifications

- 2 + years of direct R&D team supervision experience.
- 2 + years of working in industry or a startup company.
- Assertive, results-oriented leader with ability to collaborate effectively across multidisciplinary teams.
- Understand R&D cost limitations and prioritization of technology development programs.
- Proven record in reaching milestones in a fast and cost effective manner.
- Experience in battery / fuel cell / electrolysis / supercapacitor technologies.
- Experience if failure analysis of electrodes.

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