



H₂Pro is seeking an electrochemical system 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 chemical or mechanical engineer, which will lead the system development group in H₂Pro. H₂Pro develops hydrogen generators based on a novel chemical - electrochemical water splitting process. The system developer will design novel hydrogen generators based on our unique technology, supervise subcontractors that build the systems, and test them after installation. As a key member of H₂Pro R&D team, the systems developer will provide leadership and technical direction to support the technology development strategy. This includes the conceiving of novel systems and coming up with out of the box solutions to overcome development bottlenecks. The systems developer plays a key role in integration and coordination between H₂Pro R&D groups.

Targeted outcomes

- Identify the end user requirements and implement them in our systems.
- Develop cost effective hydrogen generators at high pressure.
- Optimize thermal management of the hydrogen generation process.
- Establish a cost effective lab to test the systems.
- Deliver the systems on time.

Key responsibilities

- Design high-pressure H₂ generators.
- Supervise the system manufacturing by subcontractors or assembly in house.
- Install and test the systems.
- Develop process control algorithms and the systems P&ID.
- Exchange knowledge with other R&D groups both within H₂Pro and in partner companies.
- Lab safety.
- IP creation.

Basic qualifications

- Brilliant and self-motivated electrochemical / chemical / mechanical / process engineer.
- 2 + years of electrochemical / chemical systems design.
- 2 + years of subcontractors supervision.
- Strong problem solving skills.
- Strong communication & leadership skills (including in English both spoken and written).
- Results-oriented character.
- Knowledge in electrolysis technologies.
- Ability to lead and collaborate with multidisciplinary teams both within the organization and outside of it.

Preferred qualifications

- MS or PhD degree in Chemical Engineering or Mechanical Engineering.
- Expertise in alkaline electrolysis or fuel cells.
- 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.

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