



Director of Engineering

Calgary, Alberta or Houston, Texas

Ayrton Energy's mission is to propel the global shift towards sustainable energy with broad deployment of our cutting-edge hydrogen storage technology, reshaping hydrogen distribution to mirror the safety, simplicity, and efficiency of traditional fuels such as diesel or gasoline.

Are you ready to embark on a dynamic career journey with a rapidly growing company? Ayrton Energy is seeking a dedicated and adaptable individual to join our team in a role that requires a "get it done" attitude and a commitment to excellence. You will play a pivotal role in driving the development, innovation, commercialization, and execution of our Pilot deployments.

You will love this job if:

- You enjoy working on the frontier of deep technology development, where the answers aren't always clear, and you get to find new solutions to challenges being faced for the first time
- You have the ability to convert complex issues into simple solutions
- You have the ability to prioritize resources and are willing to be hands-on to drive outcomes
- You have a passion for clean technology and a desire to develop products for a sustainable future
- You want to work in a collaborative and supportive team environment

Your Responsibilities:

- Drive the scale-up and deployment of innovative electrochemical technology from initial bench trials to pilot operations and final commercial production.
- Work in a customer facing role to develop aligned product specifications and drive program plans towards Pilot deployment
- Build, lead and manage a team of engineers and technicians to create system architectures, product specifications, and complete system designs for the novel electrochemical technology and systems.
- Collaborate and work in sync with the leadership team to ensure the company's technical advancements align with its mission and market demands.
- Establish engineering processes to drive pilot project execution and product development. Additionally, balance the product development and technology readiness to meet the business needs, and co-develop a product and technology roadmap to meet market demands.
- Develop and manage supply chain processes for new products, optimizing for efficiency, cost, and reliability.
- Oversee the procurement of materials and equipment, and manage external partnerships, including communication and collaboration with external engineering firms and vendors
- Support the development and protection of system/process IP, with a focus on strategic patent filing and management
- Collaborate with leadership team to define project goals, deliverables, budgets and timelines

Your Skills and Experience:

- Minimum undergraduate degree in Materials Engineering, Mechanical Engineering, Process Engineering, Electrical Engineering or related field
- Minimum of 10 years of engineering design and development experience AND technology scale-up experience in electrochemical systems, such as electrolyzers and/or fuel cells
- Experience in hiring, managing and leading technical teams
- Proven track record of successful project management and delivery on budget and time
- Familiarity with safety protocols and regulatory requirements for technical design and operation
- Excellent communication and collaboration skills, with the ability to work effectively in a team environment
- Experience with sourcing and vendor management

- Demonstrated ability to manage third party engineering and development firms
- Nimble business and execution mind with a focus on developing creative and cost effective solutions.

At Ayrton We Value:

- Honesty – We are solving hard problems and look for diversity in thought.
- Accountability – We value action over words and will empower you to get things done.
- Kindness – We are a team. Win together, lose together, learn together.

Benefits:

- Compensation in the form of salary and equity
- Generous vacation policy
- Health and dental benefits

We're looking for a full-time, long-term employee and we'll hire as soon as we meet the right person.

Ayrton is an equal opportunity employer that values equity, diversity, and inclusion within our team. As a women-led venture, our company strives to provide a supportive atmosphere for under-represented individuals in business and STEM fields, including a focus on work-life balance and employee mental health.

How to apply:

Please send a cover letter and resume to jobs@ayrtonenergy.com and use Job Application – Director of Engineering in the subject line.