



Job Title: Scientist or Senior Scientist, depending upon qualifications

Job Scope:

As a senior member of the electrochemistry research and development team, you will contribute to the design, validation and commercialization of Chemetry's unique electrochemical cell.

Location: Moss Landing, CA

Company Overview:

The Chemetry team is a dedicated and innovative group of forward thinkers excited to redefine how chemicals are made. Chemetry pioneered the eShuttle™ platform that enables the production of a wide range of industrial chemicals with increased safety, reduced energy demand and reduced environmental impacts as compared to conventional production processes. Chemetry operates laboratory and pilot plant facilities in Moss Landing, California. We are looking for highly qualified and dedicated individuals interested in joining our team, and helping us revolutionize industrial chemical production.

Responsibilities:

Work with the existing electrochemistry, catalysis, and engineering teams to develop, validate and commercialize Chemetry's electrochemistry processes.

- Lead the design and testing of one or more of Chemetry's proprietary electrochemistry technologies. This includes the assessment of technical and economical feasibility.
- Work on a team that collects and analyzes pilot plant information in order to direct the operations team.
- Write technical reports on experimental findings to be used in peer reviewed publications and patents.
- Work directly with the engineering and operations teams to complete PFDs, P&IDs, HAZOPs, and SOPs of Chemetry's electrochemistry processes at all scales. Implement plant design improvements

Qualifications:

- Health, safety, and environmental conscious.
- Graduate Degree in mechanical or chemical engineering or equivalent.
- Minimum 5+ years in laboratory or industrial setting.
- Experience running and interpreting both AC and DC electrochemical testing techniques required.
- Knowledge of both anion and cation ion exchange membranes strongly preferred.
- Experience with salt-based electrolysis.
- Track record of successful new concept development, scale-up and commercialization preferred.
- Independent scientist with strong bench skills who can also manage and prioritize the technical work of other scientists, engineers and operators.
- Highly collaborative with excellent interpersonal skills.
- Must be able to meet the physical demands of the job as follows:
 - Lift 50 lb;
 - Climb stairs and ladders;
 - Wear all required personal protective equipment including full face respirators (no facial hair allowed);
 - Stand 50% of a shift when pilot plant is operational.

