



THERMAL ENERGY STORAGE

## Chemical Engineer

Location: Houston, TX

### Company

Viking Cold Solutions, Inc. is a Houston based energy efficiency technology company providing thermal energy storage (TES) solutions for cold storage facilities, food distributors, supermarkets, and restaurants. As Viking Cold grows, we are seeking talented and motivated individuals to join our team and be part of our success.

### Roles and Responsibilities

The Chemical Engineer will primarily be responsible for development, improvement, and quality assurance of all phase change material formulas for use in Viking Cold's thermal energy management technology. The Chemical Engineer will categorize and catalog formulas for thermal properties, energy density, sensible heat, cycle stability, and Safety Data Sheets. Responsibilities include research and development on phase change materials, specification of scaling procedures for large scale batch manufacturing, in-house production, and process control. The Engineer will develop analytical and computational models for transient heat transfer and system level models. Responsibilities also include researching and sourcing necessary raw materials, laboratory equipment, external testing services, and consultants.

### Preferred Skills and Experience

- 2+ years prior work experience in thermal energy storage or a related field
- Knowledgeable in chemistry and chemical batch processing – familiarity with freezing point depression and eutectics
- Background in heat transfer and thermodynamics
- Background in computational modeling (CFD) or system level modeling
- Experimental experience
- Design of experiments and data analysis
- Strong analytical problem-solving skills leading to applied solutions
- Product development
- Process development
- Project management for internal and external projects
- Project/team management experience

### Education and Job Requirements

- Bachelor of Science in Chemical Engineering required, with relevant experience
- Must be able to work independently with limited supervision; effective time management; effective verbal and written communication
- Able to legally work in the United States; pass a criminal background check, and pass a drug test

### Applications

To apply for this position, please email your resume and cover letter to [hr@vikingcold.com](mailto:hr@vikingcold.com)

Viking Cold Solutions, Inc. is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, pregnancy, national origin, age, physical or mental disability, or genetic information. All employment decisions are based on business needs, job requirements, individual qualifications, and performance. We are committed to providing all employees with a diverse, inclusive, and positive work environment, and we do not tolerate any discrimination or harassment based on any of the above characteristics or on any other status protected by local, state, or federal laws.

*Please note: Viking Cold Solutions occasionally amends or withdraws jobs and reserves the right to do so at any time*

*Revised November 11, 2024*

