Interested parties should email resumes and cover letters to resume@c12energy.com with “Development Engineer” as the e-mail subject

Company
C12 Energy is a clean energy company that is investing in geologic CO₂ sequestration in saline aquifer and EOR settings. The company is backed by premier venture capital and private equity firms including Sequoia Capital, General Catalyst Partners, and the Reservoir Capital Group. The C12 team is comprised of world-class geologists, engineers, and project development professionals dedicated to building a new class of low-emissions energy infrastructure in the United States. The company is founded on the belief that project development grounded in rigorous analysis of geologic, chemical, and industrial processes will be critical to addressing today’s most important clean energy opportunities.

Position Description
We are seeking an experienced Development Engineer who combines a rigorous technical background with operational experience in a (petro)chemical / power production process environment. The Development Engineer position blends the technical work required to make strategic investment decisions with the engineering work of building operating projects. The Development Engineer performs technical and economic evaluations of industrial energy facilities, so that C12 Energy can provide CO₂ management in a manner that strengthens the business prospects for those facilities. That assessment work will be complemented with engineering work on the development of existing projects. Ultimately, the Development Engineer creates new project opportunities and helps deliver operating projects.

The Development Engineer will:
- Assess the technical feasibility and economic attractiveness of carbon capture at new and existing industrial energy facilities, such as power plants and petrochemical plants;
- Define the operating performance characteristics and (environmental) limitations of such facilities;
- Build engineering models of such facilities and develop investment cases for these potential projects;
- Work with C12 Energy’s enhanced oil recovery (EOR) and CO₂ storage specialists to determine how best to manage the CO₂ output of the energy facilities; and
- Participate in developing existing projects in C12 Energy’s portfolio by enforcing the engineering schedule; and
- Develop and manage C12 Energy’s contacts with engineering and construction sub-contractors.

Candidate Description
The ideal candidate has at least 5 years of experience in a mechanical, chemical, or process engineering role in a (petro)chemical plant, power plant, and/or oil field. The candidate should have an MS or PhD in Chemical or Mechanical Engineering or a closely related discipline (Applied Physics, Fluid Mechanics, etc.). The candidate must demonstrate clear understanding of the fundamental thermodynamics of power production and chemical processing, and the ability to coherently synthesize plant level challenges. Practical experience developing actual projects is highly valued.

This is an extraordinary opportunity for a candidate who wishes to understand the thermodynamic, economic, and environmental realities which dictate the development of industrial energy facilities in the United States. Curiosity, analytical rigor, and excellence in project execution will be rewarded. The position requires the applicant to work closely with senior scientists, geologists, company advisors, and business managers. Travel is expected to be less than 40%.

The candidate must be eligible for full-time employment in the U.S.A. C12 Energy offers a competitive salary and benefits package, including incentive stock, comprehensive medical and dental, and retirement 401k. C12 Energy is an equal opportunity employer headquartered in Berkeley (CA), with offices in Cambridge (MA), Bloomington (IL), and Denver (CO).