

Project Engineer

Overview

The Engineering Services and Support team at CPFDP Software is responsible for applying our commercial Barracuda® software with its Computational Particle Fluid Dynamics (CPFDP®) technology to solve industrial fluid-particle problems in a variety of industries, especially with fluidized bed reactors. The team performs a wide range of engineering services for clients with both gas-particle and liquid-particle systems, with examples including: analysis, optimization and life-cycle extension of in-service fluidized processes, scale-up, up-front design and even fundamental research and validation. The team also assists our Barracuda licensees via software support, training and custom, collaborative project work.

CPFDP Software is looking for full-time Project Engineers to join the Engineering Services and Support team located in Albuquerque, New Mexico.

Responsibility

The ideal candidate will have the knowledge and experience to begin contributing immediately to this growing team. Responsibilities include engineering project work (understanding the technical problem, understanding the impact of the problem on the client's business, computational model formulation, mesh generation, problem specification, computational trouble-shooting, engineering analyses and reporting to clients), and customer support. Successful candidates will be able to critically evaluate computational results with sound engineering judgment, and to effectively communicate findings. Some domestic and international travel (<20%) may be required. Most team members' skill sets also allow for some overlap with the software testing and development groups. The Project Engineer will report to the Engineering Services and Support Team Manager.

Qualifications

The ideal candidate will meet the following qualifications:

- Master of Engineering, Science or Applied Science with major field of study in Chemical, Petrochemical or Mechanical Engineering
- Experience with Computational Fluid Dynamics (CFD) software
- Minimum of 2 years industrial work experience (5 years preferred)
- Experience with fluidized beds or similar multiphase industrial processes
- US citizen or Permanent Resident

When applying, please specifically address how you meet at least 4 of the 5 qualifications within your cover letter.

About CPFDP Software

CPFDP Software LLC is an Albuquerque-based Company specializing in solving particle-gas and particle-liquid problems for the power, oil & gas, petrochemical, chemical and ore refining industries. The Barracuda® software provides accurate simulations of lab-scale, pilot plant, and full-scale reacting fluid bed flows with thermodynamics and chemistry. CPFDP's clients include Global 500 oil & gas refiners, chemical manufacturers, and research organizations worldwide. CPFDP Software is a member of PSRI.

CPFDP Software, LLC

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