



COMPOSITE TECHNOLOGY DEVELOPMENT, INC.

ENGINEERED MATERIAL SOLUTIONS

Composite Materials & Process Engineer II/III

With our strong investment in research and product development and culture of technical excellence, Composite Technology Development, Inc. (CTD) is an industry leader in the development of advanced materials, composite structures, and products that excel in harsh environments. CTD is an innovative materials and product development company in Lafayette Colorado, conveniently located between Denver and Boulder, with easy access to the Rocky Mountains.

CTD is seeking a Composite Materials & Process (M&P) Engineer II/III with experience in advanced composite materials processing, polymer materials, and engineered structures. This position offers exciting product development challenges, excellent career growth, and promotion potential.

The successful candidate will be responsible for leading engineering efforts in the fabrication of advanced composite structures and components over a wide range of product lines and application sectors. The M&P engineer will work directly with structural and design engineers and chemists on multiple projects and will interact with multiple Program Managers who lead the Materials & Energy, Marine, and Aerospace & Defense groups. This position will be responsible for the day-to-day technical efforts in new composite component fabrication projects. Knowledge of and a passion for composite materials and their processing (M&P) methods is required. Practical, hands-on experience in large composite structure fabrication is a plus. The M&P engineer must be able to work independently and confidently with various project teams, using innovation and creativity, to solve technical processing problems.

Specific responsibilities of the position include:

- Providing M&P technical direction for the development, design, and implementation of projects
- Leading fabrication builds of composite structures, both large and small
- Applying significant knowledge and experience of composite material fabrication to guide development and improve the design and performance of CTD products across all industries
- Working in a timely manner with program managers to identify and resolve processing issues and mitigate risks
- Recognizing problems or situations that are new and evaluating and/or finding solutions using a systematic, disciplined approach
- Working with and directing technicians in the performance of materials related R&D and product fabrication tasks
- Writing process specifications and travelers for the systematic fabrication and production of components and systems
- Sourcing materials and supplies for the timely completion of large component builds
- Contributing to the daily activities of project team to effect efficient performance and completion of projects
- Compiling data and writing technical reports



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Position Requirements

- A minimum of a B.S. in mechanical engineering, materials science, chemical engineering, or equivalent degree
- 2 to 8 years experience in an engineering or materials related role
- The candidate must be familiar with polymer materials, carbon fiber, glass fiber, and other reinforcements commonly used in the composite industry
- Knowledge of and experience with composite materials and composite processing and fabrication methods, including filament winding, VARTM, prepreg/vacuum bagging, close mold RTM, etc.
- The candidate must be responsible, self-motivated, and able to work closely with other senior engineers and program managers
- Organized and capable of tracking, managing, and resolving technical issues on multiple projects simultaneously
- Excellent troubleshooting, problem identification, and problem resolution skills
- Demonstrated track record of successful project or product delivery

Desired Experience

- Knowledge of and experience with composite materials and composite processing and fabrication methods
- Composite materials design and layup
- Basic polymer chemistry, formulation, and resin mixing
- Tooling design
- Strong writing skills applied to reports, proposals, and specification documents

CTD is an equal opportunity employer and provides competitive compensation and an excellent benefits package, along with career growth potential. CTD's offices are in Lafayette, Colorado, between Boulder and Denver, along the beautiful Rocky Mountain Front Range. U.S. citizenship or Resident Alien status is required.

Qualified candidates should reply by e-mail to: recruiting@ctd-materials.com. No phone calls or faxes. Reference the Composite Materials & Process Engineer position in the subject line of your e-mail. Include an attached Word or PDF document composed of a cover letter and a resume. In your cover letter please detail your specific expertise as it relates to the above listed responsibilities. Principals only are invited to apply.

In compliance with Colorado's Equal Pay for Equal Work Act, the salary range for this role is \$60,000 to \$120,000; however, CTD considers several factors when extending an offer, including but not limited to, the role and associated responsibilities, a candidate's work experience, education/training, and key skills.

In compliance with Executive Order on Ensuring Adequate COVID Safety Protocols for Federal Contractors the COVID-19 vaccination is required as a condition of employment, unless otherwise exempted by approved reasonable accommodation.